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IDENTIFIERS	Missouri

ABSTRACT

These two documents deal with the relationship between Missouri's Show-Me Standards (the standards defining what all Missouri students should know upon graduation from high school) with the vocational competencies taught in secondary-level agricultural education courses. The first document, which is a database documenting the common ground that has existed for years between the academic skills and vocational competencies in the area of agricultural education, is in the form of a three-column table in which duty band and task statements in the following areas of agricultural education are cross-referenced to academic knowledge (content) and performance (goal) statements: advanced crop production; agricultural construction; agricultural machinery; agricultural management and economics; agricultural marketing; agricultural power (levels I and II); agricultural science (levels I and II); agricultural structures (levels I and II); animal science; fish and wildlife management; floristry; food science and technology; forest management; greenhouse operation and management; horticulture; landscaping and turf management; and processing and marketing forest products. In the second document, the same agricultural duty bands and task statements are cross-referenced to Missouri's Show-Me Standards knowledge and performance statements applicable to the following curriculum areas: mathematics; communication skills; science; social studies; health and physical education; and fine arts. (MN)

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ED 460 258

Agricultural Education
Missouri's Show-Me Standards and Vocational Education Competencies
Cross Reference
Main Report
Mini Report

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Missouri's Show-Me Standards and Vocational Education Competencies

Cross Reference

Main Report
September 1997

AGRICULTURAL EDUCATION

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety, noted by an asterisk, require a Number 3 Rating.

Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.4 HP.2 SC.5 SS.4	1.2 1.6 1.10 2.1 2.2 2.4 3.1 3.7		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 2 / a SC / VI.B / 9-12 / 3 / a	SS / II.D / 9-12 / 2 / d	HP / II.B / 9-12 / 1 / a HP / II.B / 9-12 / 3 / a	
A.2	SC.3 SC.4 SS.5	1.2 1.4 1.5 1.6 1.10 2.2 3.3 4.1			SC / VI.A / 9-12 / 2 / a SC / VI.B / 9-12 / 4 / a SC / VII.D / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b SS / III.E / 9-12 / 5 / f		
A.3	SC.5	1.2 1.4 1.6 2.3 3.1 3.5 4.1			SC / VIII.B / 9-12 / 1 / a			
A.4	SC.5	1.1 1.2 1.4 1.6 1.8 2.1 2.2 2.3 2.4 2.7			SC / VIII.B / 9-12 / 2 / a SC / VIII.B / 9-12 / 2 / b SC / VIII.B / 9-12 / 2 / c			

KEY:
* = may use all 'to do' statements
# = same Frameworks as previous competency
98 = same Frameworks as previous competency
99 = 'to know' statements may not be applicable

Competency Profile Date: 1994

Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.5						
		4.1						
A.5	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
A.6	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
A.7	SC.3				SC / VII.A / 9-12 / 4 / a			
	SC.5							
A.8								
A.9	MA.1	1.1	MA / I.. / 9-12 / 4 / e					
	MA.3	1.6	MA / V.. / 9-12 / 1 / c					
		1.8	MA / VII.. / 9-12 / 4 / a					
		2.2						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
A.10	MA.1	1.1	MA / I.. / 9-12 / 98 / #					
	MA.3	1.6						
		1.8						
		2.2						
		3.3						

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
A.11	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / II.. / 9-12 / 5 / a				
	CA.6	1.6		CA / II.. / 9-12 / 5 / b				
	MA.1	1.8						
	MA.3	2.1						
		2.2						
		2.4						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
A.12	MA.1	1.1	MA / I.. / 9-12 / 98 / #			SS / II.D / 9-12 / 4 / f		
	MA.3	1.4				SS / II.D / 9-12 / 8 / f		
	SS.2	1.6				SS / III.D / 9-12 / 1 / c		
	SS.4	1.8				SS / III.D / 9-12 / 1 / f		
	SS.6	1.10				SS / III.D / 9-12 / 1 / h		
	SS.7	2.1				SS / III.D / 9-12 / 1 / i		
		2.2				SS / III.D / 9-12 / 1 / j		
		2.3						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
B.1	SS.2	1.4				SS / III.D / 9-12 / 1 / c		
	SS.4	1.8				SS / III.D / 9-12 / 1 / f		
	SS.6	1.10				SS / III.D / 9-12 / 1 / h		
	SS.7	2.3				SS / III.D / 9-12 / 1 / i		

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1 3.2 3.3 3.6 3.7 3.8 4.1				SS / III.D / 9-12 / 1 / j SS / IV.D / 9-12 / 2 / h SS / IV.D / 9-12 / 2 / j SS / IV.D / 9-12 / 2 / k		
B.2	SS.2 SS.4 SS.6 SS.7	1.10 2.3 3.1 3.2 3.3 3.6 3.7 3.8 4.1				SS / III.D / 9-12 / 1 / c SS / III.D / 9-12 / 1 / f SS / III.D / 9-12 / 1 / h SS / III.D / 9-12 / 1 / i SS / III.D / 9-12 / 1 / j SS / IV.D / 9-12 / 2 / h SS / IV.D / 9-12 / 2 / j SS / IV.D / 9-12 / 2 / k		
B.3	SC.5	1.1 1.2 1.4 1.6 1.8 2.1 2.2 2.3 2.4 2.7 3.5 4.1			SC / VIII.B / 9-12 / 2 / a SC / VIII.B / 9-12 / 2 / b SC / VIII.B / 9-12 / 2 / c			
B.4	SC.5	1.2 1.4 1.6 2.3 3.1 3.5 4.1			SC / VIII.B / 9-12 / 1 / a			

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.5	SC.5	1.1			SC / VIII.B / 9-12 / 2 / a			
		1.2			SC / VIII.B / 9-12 / 2 / b			
		1.4			SC / VIII.B / 9-12 / 2 / c			
		1.6						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.5						
		4.1						
B.6	SC.3	1.2			SC / VI.A / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b		
	SC.4	1.4			SC / VI.B / 9-12 / 4 / a	SS / III.E / 9-12 / 5 / f		
	SS.5	1.5			SC / VII.D / 9-12 / 2 / a			
		1.6						
		1.10						
		2.2						
		3.3						
		4.1						
B.7	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
B.8	SC.3	1.2			SC / VI.A / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b		
	SC.4	1.4			SC / VI.B / 9-12 / 4 / a	SS / III.E / 9-12 / 5 / f		
	SS.5	1.5			SC / VII.D / 9-12 / 2 / a			
		1.6						
		1.10						
		2.2						
		3.3						
		4.1						

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.9	SC.3				SC / VII.A / 9-12 / 4 / a			
	SC.5							
B.10	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
B.11	MA.1	1.1	MA / I.. / 9-12 / 4 / e		SC / VIII.B / 9-12 / 1 / a			
	MA.3	1.2	MA / V.. / 9-12 / 1 / c					
	SC.5	1.4	MA / VII.. / 9-12 / 4 / a					
		1.6						
		1.8						
		2.2						
		2.3						
		3.1						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
B.12	MA.1	1.1	MA / I.. / 9-12 / 98 / #					
	MA.3	1.6						
		1.8						
		2.2						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.13	MA.1	1.1	MA / I.. / 9-12 / 98 / #					
	MA.3	1.6						
		1.8						
		2.2						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
C.1	SS.2	1.4				SS / II.D / 9-12 / 1 / c		
	SS.4	1.8				SS / III.D / 9-12 / 1 / f		
	SS.6	1.10				SS / III.D / 9-12 / 1 / h		
	SS.7	2.3				SS / III.D / 9-12 / 1 / i		
		3.1				SS / III.D / 9-12 / 1 / j		
		3.2				SS / IV.D / 9-12 / 2 / h		
		3.3				SS / IV.D / 9-12 / 2 / j		
		3.6				SS / IV.D / 9-12 / 2 / k		
		3.7						
		3.8						
		4.1						
C.2	SS.2	1.5				SS / II.D / 9-12 / 3 / f		
	SS.3	1.6				SS / II.D / 9-12 / 3 / g		
	SS.4	1.8				SS / II.D / 9-12 / 3 / h		
	SS.5	1.10				SS / II.D / 9-12 / 3 / j		
	SS.6	2.1				SS / II.D / 9-12 / 3 / k		
	SS.7	2.3				SS / II.E / 9-12 / 1 / i		
		3.8				SS / II.E / 9-12 / 1 / j		
		4.1				SS / II.E / 9-12 / 1 / k		
						SS / II.E / 9-12 / 2 / i		
						SS / II.E / 9-12 / 2 / j		
						SS / II.E / 9-12 / 2 / k		
						SS / III.E / 9-12 / 2 / e		
						SS / III.E / 9-12 / 2 / f		
						SS / III.E / 9-12 / 2 / n		

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.3	SC.2 SC.4 SC.8	1.2 1.3 1.4 1.6 1.8 2.3 3.1 3.5 4.1			SC / VI.A / 9-12 / 3 / a SC / VI.B / 9-12 / 1 / a SC / VI.B / 9-12 / 4 / a SC / VIII.B / 9-12 / 1 / a			
C.4	SC.5	1.2 1.4 1.6 2.3 3.1 3.5 4.1			SC / VIII.B / 9-12 / 1 / a			
C.5	SC.5	1.2 1.4 1.6 2.3 3.1 3.5 4.1			SC / VIII.B / 9-12 / 1 / a			
C.6	MA.1 MA.3 MA.4 SC.1 SC.4 SC.5	1.1 1.2 1.4 1.6 1.7 1.8 1.10 2.1 2.3 2.6 3.1 3.2	MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 1 / d MA / III.. / 9-12 / 5 / d MA / V.. / 9-12 / 1 / a MA / V.. / 9-12 / 1 / b		SC / II.A / 9-12 / 2 / a SC / VI.A / 9-12 / 2 / a SC / VI.B / 9-12 / 1 / a SC / VIII.A / 9-12 / 2 / b SC / VIII.A / 9-12 / 3 / b SC / VIII.B / 9-12 / 1 / a			

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3 3.5 3.6 3.8 4.1 4.7						
C.7	MA.1 MA.3 SC.2 SC.3 SC.5	1.2 1.3 1.4 1.5 1.6 1.8 2.3 2.4 3.1 3.2 3.3 3.5 4.1	MA / I.. / 9-12 / 4 / b MA / III.. / 9-12 / 2 / c MA / III.. / 9-12 / 5 / d MA / V.. / 9-12 / 1 / c		SC / III.A / 9-12 / 3 / a SC / VIII.B / 9-12 / 1 / a			
C.8	CA.3 CA.6	1.2 1.3 1.4 1.7		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c CA / I.. / 9-12 / 2 / e				
D.1	CA.4 HP.2 SC.5 SS.4	1.2 1.6 1.10 2.1 2.2 2.4 3.1 3.7		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 2 / a SC / VI.B / 9-12 / 3 / a	SS / II.D / 9-12 / 2 / d	HP / II.B / 9-12 / 1 / a HP / II.B / 9-12 / 3 / a	
D.2	SC.3 SC.4 SS.5	1.2 1.4 1.5			SC / VI.A / 9-12 / 2 / a SC / VI.B / 9-12 / 4 / a SC / VII.D / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b SS / III.E / 9-12 / 5 / f		

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.6						
		1.10						
		2.2						
		3.3						
		4.1						
D.3	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
D.4	SC.5	1.1			SC / VIII.B / 9-12 / 2 / a			
		1.2			SC / VIII.B / 9-12 / 2 / b			
		1.4			SC / VIII.B / 9-12 / 2 / c			
		1.6						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.5						
		4.1						
D.5	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
D.6	SC.5	1.2			SC / VIII.B / 9-12 / 1 / a			
		1.4						
		1.8						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.3						
		3.1						
		3.5						
		4.1						
D.7	SC.3				SC / VII.A / 9-12 / 4 / a			
	SC.5							
D.8								
D.9	MA.1	1.1	MA / I.. / 9-12 / 4 / e					
	MA.3	1.6	MA / V.. / 9-12 / 1 / c					
		1.8	MA / VII.. / 9-12 / 4 / a					
		2.2						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
D.10	MA.1	1.1	MA / I.. / 9-12 / 98 / #					
	MA.3	1.6						
		1.8						
		2.2						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
D.11	CA.1	1.1	MA / I.. / 9-12 / 98 / #					
	CA.6	1.6						
	MA.1	1.8						
	MA.3	2.1						
		2.2						
		2.4						
		3.3						

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
D.12	MA.1	1.1	MA / I.. / 9-12 / 98 / #					
	MA.3	1.4						
	SS.2	1.6						
	SS.4	1.8						
	SS.6	1.10						
	SS.7	2.1						
		2.2						
		2.3						
		3.3						
		3.4						
		3.6						
		3.7						
		3.8						
		4.1						
E.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
E.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
E.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						

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Advanced Crop Production

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.2	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.4	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.5	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.6	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.7	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating. ** = Pass destruction test.

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	CA.3	1.1		CA / I.. / 9-12 / 1 / *			HP / V.B / 9-12 / 1 / a	
	CA.4	1.2		CA / I.. / 9-12 / 2 / *			HP / V.B / 9-12 / 1 / b	
	CA.5	1.4		CA / I.. / 9-12 / 3 / *				
	HP.5	1.5		CA / I.. / 9-12 / 6 / a				
	HP.7	1.6		CA / I.. / 9-12 / 6 / b				
		1.7		CA / I.. / 9-12 / 6 / d				
		1.8		CA / II.. / 9-12 / 5 / *				
		1.10		CA / III.. / 9-12 / 1 / *				
		2.1		CA / IV.. / 9-12 / 1 / *				
		2.2		CA / IV.. / 9-12 / 2 / *				
		2.3		CA / IV.. / 9-12 / 3 / *				
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.7						
A.2	CA.3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA.1	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC.1	1.4	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.7	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / *	SC / III.C / 9-12 / 1 / a			
		1.8	MA / II.. / 9-12 / 4 / d	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 2 / a			
		1.10	MA / II.. / 9-12 / 4 / e	CA / III.. / 9-12 / 1 / *	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 1 / *	CA / III.. / 9-12 / 4 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 1 / *				

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.7	MA / III.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 2 / *				
		3.1	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 3 / *				
		3.2	MA / III.. / 9-12 / 5 / *					
		3.3	MA / IV.. / 9-12 / 3 / *					
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
A.3	CA.3	1.4	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / a	SC / III.A / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.5	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 6 / b	SC / III.A / 9-12 / 2 / b		HP / V.B / 9-12 / 1 / b	
	MA.1	1.6	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 6 / d	SC / III.B / 9-12 / 1 / a			
	SC.1	1.10	MA / II.. / 9-12 / 4 / c		SC / III.C / 9-12 / 1 / a			
		2.5	MA / II.. / 9-12 / 4 / d		SC / III.C / 9-12 / 3 / a			
		3.1	MA / II.. / 9-12 / 4 / e					
		3.2	MA / III.. / 9-12 / 1 / *					
		3.3	MA / III.. / 9-12 / 2 / *					
		3.4	MA / III.. / 9-12 / 3 / *					
		3.5	MA / III.. / 9-12 / 4 / *					
		3.6	MA / III.. / 9-12 / 5 / *					
		3.7	MA / IV.. / 9-12 / 3 / *					
		3.8						
		4.7						
A.4	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / *	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / *		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / *		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / *		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
A.4.1	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.4.2	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.4.3	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.4.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 96 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.4.5	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 96 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.5	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / *	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / *		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / *		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / *		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.5.1	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
A.5.2	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.5.3	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.5.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.6	CA.3	1.3	MA / I.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / '	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / '		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / '		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / '		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / '		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / '		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / '		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / '		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / '					
		3.4	MA / IV.. / 9-12 / 3 / '					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.7	CA.3	1.3	MA / I.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / '	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / '		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / '		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / '		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / '		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / '		SC / III.C / 9-12 / 2 / a			

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.8	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / *	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / *		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / *		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / *		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.1	CA.3	1.1		CA / I.. / 9-12 / 1 / *			HP / V.B / 9-12 / 1 / a	
	CA.4	1.2		CA / I.. / 9-12 / 2 / *			HP / V.B / 9-12 / 1 / b	
	CA.5	1.4		CA / I.. / 9-12 / 3 / *				
	HP.5	1.5		CA / I.. / 9-12 / 5 / *				
	HP.7	1.6		CA / I.. / 9-12 / 6 / a				
		1.7		CA / I.. / 9-12 / 6 / b				
		1.8		CA / I.. / 9-12 / 6 / d				
		1.10		CA / II.. / 9-12 / 5 / *				
		2.1		CA / III.. / 9-12 / 1 / *				
		2.2		CA / IV.. / 9-12 / 1 / *				
		2.3		CA / IV.. / 9-12 / 2 / *				

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5		CA / IV.. / 9-12 / 3 / '				
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.7						
B.2	CA.3	1.1		CA / I.. / 9-12 / 98 / #			HP / I.A / 9-12 / 98 / #	
	CA.4	1.2						
	CA.5	1.4						
	HP.5	1.5						
	HP.7	1.6						
		1.7						
		1.8						
		1.10						
		2.1						
		2.2						
		2.3						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1 4.7						
B.3	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / I.. / 9-12 / 4 / * MA / II.. / 9-12 / 4 / * MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 2 / * MA / III.. / 9-12 / 3 / * MA / III.. / 9-12 / 4 / * MA / III.. / 9-12 / 5 / * MA / IV.. / 9-12 / 1 / * MA / IV.. / 9-12 / 2 / * MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / a CA / I.. / 9-12 / 6 / b CA / I.. / 9-12 / 6 / d	SC / III.B / 9-12 / 1 / a SC / III.B / 9-12 / 2 / a SC / III.B / 9-12 / 3 / a SC / III.B / 9-12 / 4 / a SC / III.C / 9-12 / 1 / a SC / III.C / 9-12 / 2 / a SC / III.C / 9-12 / 3 / a SC / III.C / 9-12 / 4 / a		HP / V.B / 9-12 / 1 / a HP / V.B / 9-12 / 1 / b	
B.4	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
B.4	CA.3 HP.2 MA.1	1.3 1.4 1.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.5	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.7						
B.6	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.7	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.8	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.9	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
B.10	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.1	CA.3	1.2		CA / I.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 3 / b			
	SC.3	1.3		CA / I.. / 9-12 / 6 / b	SC / VI.B / 9-12 / 4 / a			
	SC.4	1.5		CA / I.. / 9-12 / 6 / d				
	SC.8	2.3						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
C.2	CA.3	1.2	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / a			HP / V.B / 9-12 / 1 / a	
	HP.2	1.3	MA / II.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / b			HP / V.B / 9-12 / 1 / b	
	MA.1	1.4	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / d				
	MA.3	1.5	MA / III.. / 9-12 / 4 / *					
		1.10	MA / III.. / 9-12 / 5 / *					
		2.2	MA / IV.. / 9-12 / 1 / *					
		2.3	MA / IV.. / 9-12 / 2 / *					
		2.5	MA / IV.. / 9-12 / 3 / *					
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
C.3	CA.3	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #			HP / I.A / 9-12 / 98 / #	
	HP.2	1.3						
	MA.1	1.4						
	MA.3	1.5						
		1.10						
		2.2						
		2.3						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.4	CA.3	1.3	MA / I.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / '	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / '		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / '		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / '		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / '		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / '		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / '		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / '		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / '					
		3.4	MA / IV.. / 9-12 / 3 / '					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.4.1								

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.4.2								
C.4.3								
C.5	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
C.5								
C.5								
C.5								
C.6	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.7						
D.1	CA.3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA.1	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC.1	1.4	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.7	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / *	SC / III.C / 9-12 / 1 / a			
		1.8	MA / II.. / 9-12 / 4 / d	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 2 / a			
		1.10	MA / II.. / 9-12 / 4 / e	CA / III.. / 9-12 / 1 / *	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 1 / *	CA / III.. / 9-12 / 4 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 1 / *				
		2.7	MA / III.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 2 / *				
		3.1	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 3 / *				
		3.2	MA / III.. / 9-12 / 5 / *					
		3.3	MA / IV.. / 9-12 / 3 / *					
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
D.2	CA.3	1.2	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / a			HP / V.B / 9-12 / 1 / a	
	HP.2	1.3	MA / II.. / 9-12 / 3 / *	CA / I.. / 9-12 / 2 / a			HP / V.B / 9-12 / 1 / b	
	MA.1	1.4	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 3 / a				
	MA.3	1.5	MA / III.. / 9-12 / 4 / *					
		1.10	MA / III.. / 9-12 / 5 / *					
		2.2	MA / IV.. / 9-12 / 1 / *					
		2.3	MA / IV.. / 9-12 / 2 / *					
		2.5	MA / IV.. / 9-12 / 3 / *					
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.7						
D.3	CA.3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA.1	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC.1	1.4	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.7	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / a	SC / III.C / 9-12 / 1 / a			
		1.8	MA / II.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / b	SC / III.C / 9-12 / 2 / a			
		1.10	MA / II.. / 9-12 / 4 / e	CA / I.. / 9-12 / 6 / d	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 1 / *	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / III.. / 9-12 / 2 / *	CA / III.. / 9-12 / 1 / *				
		2.7	MA / III.. / 9-12 / 3 / *	CA / III.. / 9-12 / 4 / *				
		3.1	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 1 / *				
		3.2	MA / III.. / 9-12 / 5 / *	CA / IV.. / 9-12 / 2 / *				
		3.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 3 / *				
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
D.4	CA.3	1.2	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / a			HP / V.B / 9-12 / 1 / a	
	HP.2	1.3	MA / II.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / b			HP / V.B / 9-12 / 1 / b	
	MA.1	1.4	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / d				
	MA.3	1.5	MA / III.. / 9-12 / 4 / *					
		1.10	MA / III.. / 9-12 / 5 / *					
		2.2	MA / IV.. / 9-12 / 1 / *					
		2.3	MA / IV.. / 9-12 / 2 / *					
		2.5	MA / IV.. / 9-12 / 3 / *					
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.7						
D.5	CA.3	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #			HP / I.A / 9-12 / 98 / #	
	HP.2	1.3						
	MA.1	1.4						
	MA.3	1.5						
		1.10						
		2.2						
		2.3						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.6	CA.3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA.1	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC.1	1.4	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.7	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / a	SC / III.C / 9-12 / 1 / a			
		1.8	MA / II.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / b	SC / III.C / 9-12 / 2 / a			
		1.10	MA / II.. / 9-12 / 4 / e	CA / I.. / 9-12 / 6 / d	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 1 / *	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / III.. / 9-12 / 2 / *	CA / III.. / 9-12 / 1 / *				
		2.7	MA / III.. / 9-12 / 3 / *	CA / III.. / 9-12 / 4 / *				
		3.1	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 1 / *				
		3.2	MA / III.. / 9-12 / 5 / *	CA / IV.. / 9-12 / 2 / *				
		3.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 3 / *				
		3.4						
		3.5						
		3.6						
		3.7						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.1						
D.7	CA.3	1.2	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / a			HP / V.B / 9-12 / 1 / a	
	HP.2	1.3	MA / II.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / b			HP / V.B / 9-12 / 1 / b	
	MA.1	1.4	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / d				
	MA.3	1.5	MA / III.. / 9-12 / 4 / *					
		1.10	MA / III.. / 9-12 / 5 / *					
		2.2	MA / IV.. / 9-12 / 1 / *					
		2.3	MA / IV.. / 9-12 / 2 / *					
		2.5	MA / IV.. / 9-12 / 3 / *					
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.8	CA.3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA.1	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC.1	1.4	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.7	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / a	SC / III.C / 9-12 / 1 / a			
		1.8	MA / II.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / b	SC / III.C / 9-12 / 2 / a			
		1.10	MA / II.. / 9-12 / 4 / e	CA / I.. / 9-12 / 6 / d	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 1 / *	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / III.. / 9-12 / 2 / *	CA / III.. / 9-12 / 1 / *				
		2.7	MA / III.. / 9-12 / 3 / *	CA / III.. / 9-12 / 4 / *				
		3.1	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 1 / *				
		3.2	MA / III.. / 9-12 / 5 / *	CA / IV.. / 9-12 / 2 / *				
		3.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 3 / *				
		3.4						
		3.5						
		3.6						
		3.7						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.1						
D.9	CA.3	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	MA.1	1.2						
	SC.1	1.4						
	SC.8	1.7						
		1.8						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
D.10	CA.3	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	MA.1	1.2						
	SC.1	1.4						
	SC.8	1.7						
		1.8						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
		4.1						
E.1	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / *	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / *		SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / *		SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / *		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
E.2	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
E.3	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
E.4	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.4						
	MA.1	1.7						
	SC.1	1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.1	CA.3	1.1		CA / I.. / 9-12 / 1 / '			HP / V.B / 9-12 / 1 / a	
	CA.4	1.2		CA / I.. / 9-12 / 2 / '			HP / V.B / 9-12 / 1 / b	
	CA.5	1.4		CA / I.. / 9-12 / 3 / '				
	HP.5	1.5		CA / I.. / 9-12 / 5 / '				
	HP.7	1.6		CA / I.. / 9-12 / 6 / a				
		1.7		CA / I.. / 9-12 / 6 / b				
		1.8		CA / I.. / 9-12 / 6 / d				

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10		CA / II.. / 9-12 / 5 / *				
		2.1		CA / III.. / 9-12 / 1 / *				
		2.2		CA / IV.. / 9-12 / 1 / *				
		2.3		CA / IV.. / 9-12 / 2 / *				
		2.5		CA / IV.. / 9-12 / 3 / *				
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.7						
F.2	CA.1	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a	SS / IV.A / 9-12 / 3 / *	HP / V.B / 9-12 / 1 / a	
	CA.3	1.2	MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b		HP / V.B / 9-12 / 1 / b	
	CA.4	1.3	MA / II.. / 9-12 / 4 / b	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	CA.5	1.4	MA / II.. / 9-12 / 4 / c	CA / I.. / 9-12 / 6 / *	SC / III.C / 9-12 / 1 / a			
	CA.6	1.5	MA / II.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / a	SC / III.C / 9-12 / 2 / a			
	HP.7	1.6	MA / II.. / 9-12 / 4 / e	CA / I.. / 9-12 / 6 / b	SC / III.C / 9-12 / 3 / a			
	MA.1	1.7	MA / III.. / 9-12 / 1 / *	CA / I.. / 9-12 / 6 / d	SC / III.C / 9-12 / 4 / a			
	MA.2	1.8	MA / III.. / 9-12 / 2 / *	CA / III.. / 9-12 / 1 / *				
	MA.3	1.9	MA / III.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.4	1.10	MA / III.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 2 / *				
	MA.5	2.1	MA / III.. / 9-12 / 5 / *	CA / IV.. / 9-12 / 3 / *				
	MA.6	2.2	MA / IV.. / 9-12 / 3 / *					
	SC.1	2.3						
	SC.7	2.4						
	SS.7	2.5						
		2.6						
		2.7						
		3.1						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
F.3	CA.3	1.4		CA / I.. / 9-12 / 1 / *				
	MA.1	1.5		CA / I.. / 9-12 / 2 / *				
	MA.3	1.6		CA / I.. / 9-12 / 3 / *				
	MA.4	1.7		CA / I.. / 9-12 / 6 / a				
	MA.5	1.8		CA / I.. / 9-12 / 6 / b				
	MA.6	2.5		CA / I.. / 9-12 / 6 / d				
		3.1		CA / II.. / 9-12 / 5 / *				
		3.2		CA / III.. / 9-12 / 1 / *				
		3.3		CA / IV.. / 9-12 / 1 / *				
		3.4		CA / IV.. / 9-12 / 2 / *				
		3.6		CA / IV.. / 9-12 / 3 / *				
		3.7						
		3.8						
F.4	CA.3	1.4		CA / I.. / 9-12 / 1 / *				
		1.5		CA / I.. / 9-12 / 2 / *				
		1.6		CA / I.. / 9-12 / 3 / *				
		1.7		CA / I.. / 9-12 / 6 / a				
		1.8		CA / I.. / 9-12 / 6 / b				
		2.5		CA / I.. / 9-12 / 6 / d				
		3.1		CA / II.. / 9-12 / 5 / *				
		3.2		CA / III.. / 9-12 / 1 / *				
		3.3		CA / IV.. / 9-12 / 1 / *				

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4		CA / IV.. / 9-12 / 2 / *				
		3.6		CA / IV.. / 9-12 / 3 / *				
		3.7						
		3.8						
		4.1						
F.5	CA.3	1.2	MA / III.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *				
	MA.1	1.4	MA / III.. / 9-12 / 5 / *	CA / I.. / 9-12 / 2 / *				
		1.6	MA / IV.. / 9-12 / 1 / *	CA / I.. / 9-12 / 3 / *				
		1.7	MA / IV.. / 9-12 / 2 / *	CA / I.. / 9-12 / 6 / a				
		1.8	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / b				
		1.9	MA / VII.. / 9-12 / 1 / *	CA / I.. / 9-12 / 6 / d				
		1.10		CA / II.. / 9-12 / 5 / *				
		2.5		CA / III.. / 9-12 / 1 / *				
		3.1		CA / IV.. / 9-12 / 1 / *				
		3.2		CA / IV.. / 9-12 / 2 / *				
		3.3		CA / IV.. / 9-12 / 3 / *				
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.5						
		4.6						
		4.7						
F.6	CA.3	1.4		CA / I.. / 9-12 / 1 / *				
		1.5		CA / I.. / 9-12 / 2 / *				
		1.6		CA / I.. / 9-12 / 3 / *				
		1.7		CA / I.. / 9-12 / 6 / a				
		1.8		CA / I.. / 9-12 / 6 / b				
		2.5		CA / I.. / 9-12 / 6 / d				
		3.1		CA / II.. / 9-12 / 5 / *				
		3.2		CA / III.. / 9-12 / 1 / *				
		3.3		CA / IV.. / 9-12 / 1 / *				
		3.4		CA / IV.. / 9-12 / 2 / *				

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6		CA / IV.. / 9-12 / 3 / *				
		3.7						
		3.8						
		4.1						
F.7	CA.3	1.4	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / a	SC / III.A / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.5	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / b	SC / III.A / 9-12 / 2 / b		HP / V.B / 9-12 / 1 / b	
	MA.1	1.6	MA / III.. / 9-12 / 1 / *	CA / I.. / 9-12 / 6 / d	SC / III.B / 9-12 / 1 / a			
	SC.1	1.10	MA / III.. / 9-12 / 2 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 3 / a			
		3.1	MA / III.. / 9-12 / 4 / *					
		3.2	MA / III.. / 9-12 / 5 / *					
		3.3	MA / IV.. / 9-12 / 3 / *					
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.8	CA.3	1.4	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.5						
	MA.1	1.6						
	SC.1	1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.9	CA.3	1.4	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.5						
	MA.1	1.6						

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.1	1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.10	CA.3	1.4	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.5						
	MA.1	1.6						
	SC.1	1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.11	CA.3	1.4	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.2	1.5						
	MA.1	1.6						
	SC.1	1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
F.12	CA.3	1.4		CA / I.. / 9-12 / 1 / '				
		1.5		CA / I.. / 9-12 / 2 / '				
		1.6		CA / I.. / 9-12 / 3 / '				
		1.7		CA / I.. / 9-12 / 6 / a				
		1.8		CA / I.. / 9-12 / 6 / b				
		2.5		CA / I.. / 9-12 / 6 / d				
		3.1		CA / II.. / 9-12 / 5 / '				
		3.2		CA / III.. / 9-12 / 1 / '				
		3.3		CA / IV.. / 9-12 / 1 / '				
		3.4		CA / IV.. / 9-12 / 2 / '				
		3.6		CA / IV.. / 9-12 / 3 / '				
		3.7						
		3.8						
		4.1						
F.13	CA.3	1.4	MA / I.. / 9-12 / 4 / '	CA / I.. / 9-12 / 1 / '				
	MA.1	1.5	MA / II.. / 9-12 / 4 / '	CA / I.. / 9-12 / 2 / '				
	MA.3	1.6	MA / III.. / 9-12 / 1 / '	CA / I.. / 9-12 / 3 / '				
	MA.4	1.7	MA / III.. / 9-12 / 2 / '	CA / I.. / 9-12 / 6 / a				
	MA.5	1.8	MA / III.. / 9-12 / 3 / '	CA / I.. / 9-12 / 6 / b				
	MA.6	2.5	MA / III.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / d				
		3.1	MA / III.. / 9-12 / 5 / '	CA / II.. / 9-12 / 5 / '				
		3.2	MA / IV.. / 9-12 / 3 / '	CA / III.. / 9-12 / 1 / '				
		3.3		CA / IV.. / 9-12 / 1 / '				
		3.4		CA / IV.. / 9-12 / 2 / '				
		3.6		CA / IV.. / 9-12 / 3 / '				
		3.7						
		3.8						
F.14	CA.3	1.3	MA / I.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / a	SC / II.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / '	CA / I.. / 9-12 / 6 / b	SC / III.B / 9-12 / 3 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / '	CA / I.. / 9-12 / 6 / d	SC / III.B / 9-12 / 4 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / '		SC / III.C / 9-12 / 1 / a			

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Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 3 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 4 / a			
		3.1	MA / III.. / 9-12 / 5 / *					
		3.2	MA / IV.. / 9-12 / 1 / *					
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
F.14								
F.14								
F.14								
G.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
G.2	CA.1	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
G.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
G.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
G.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
H.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
H.2	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
H.3	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d MA / V.. / 9-12 / 1 / a					
H.4	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
H.5	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
H.6	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
H.7	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Machinery

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	HP.6	3.2					HP / III.D / 9-12 / 1 / a	
	SC.8	4.3						
A.2	HP.6	3.2					HP / III.D / 9-12 / 1 / a	
	SC.8	4.3						
B.1	CA.3	1.4		CA / I.. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
	SS.2	1.9						
		1.10						
		2.3						
B.2	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.9						
	MA.3	1.10						
	MA.4	2.1						
		3.6						
B.3	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
B.4	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						

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Agricultural Machinery

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
B.5	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
B.6	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
B.7	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						

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Agricultural Machinery

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
B.8	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
B.9	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
B.10	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
C.1	CA.3	1.4		CA / I.. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
	SS.2	1.9						
		1.10						
		2.3						
C.2	CA.3	1.3		CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.9						
	MA.3	1.10						

KEY: ' = may use all "to do" statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = "to know" statements may not be applicable

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.4	2.1						
		3.6						
C.3	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
C.4	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
C.5	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
C.6	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						

KEY: ' = may use all "to do" statements # = same Frameworks as previous competency
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Agricultural Machinery

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10						
		3.2						
		3.3						
		3.8						
C.7	CA.3	1.4		CA / I. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
D.1	CA.3	1.4		CA / I. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
	SS.2	1.9						
		1.10						
		2.3						
D.2	CA.3	1.3	MA / I. / 9-12 / 4 / d	CA / I. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.9						
	MA.3	1.10						
	MA.4	2.1						
		3.6						
D.3	CA.3	1.3	MA / I. / 9-12 / 4 / d	CA / I. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
D.4	CA.3	1.3	MA / I. / 9-12 / 4 / d	CA / I. / 9-12 / 4 / b				
	MA.1	1.4						

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# = same Frameworks as previous competency
99 = "to know" statements may not be applicable

Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
D.5	CA.3	1.4		CA / L. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
D.6	CA.3	1.4		CA / L. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
D.7	CA.3	1.4		CA / L. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
E.1	CA.3	1.4		CA / L. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
	SS.2	1.9						
		1.10						
		2.3						
E.2	CA.3	1.3	MA / L. / 9-12 / 4 / d	CA / L. / 9-12 / 4 / b				
	MA.1	1.4						

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.2 MA.3 MA.4	1.9 1.10 2.1 3.6						
E.3	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.5 1.6 1.8 1.9 1.10 3.3 3.4 3.5 3.6 3.8	MA / I. / 9-12 / 4 / d	CA / I. / 9-12 / 4 / b				
E.4	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.5 1.6 1.8 1.9 1.10 3.3 3.4 3.5 3.6 3.8	MA / I. / 9-12 / 4 / d	CA / I. / 9-12 / 4 / b				
E.5	CA.3	1.4 1.9 1.10 3.2 3.3 3.8		CA / I. / 9-12 / 4 / b				

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
E.6	CA.3	1.4 1.9 1.10 3.2 3.3 3.8		CA / I.. / 9-12 / 4 / b				
E.7	CA.3	1.4 1.9 1.10 3.2 3.3 3.8		CA / I.. / 9-12 / 4 / b				
F.1	CA.3 SS.2	1.4 1.9 1.10 2.3		CA / I.. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
F.2	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.9 1.10 2.1 3.6	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
F.3	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.5 1.6 1.8 1.9 1.10 3.3 3.4 3.5 3.6 3.8	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				

KEY: ' = may use all 'to do' statements
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Agricultural Machinery

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.4	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
F.5	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
F.6	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
F.7	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
G.1	CA.3	1.4		CA / I.. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
	SS.2	1.9						
		1.10						
		2.3						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
G.2	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.9						
	MA.3	1.10						
	MA.4	2.1						
		3.6						
		3.8						
G.3	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
G.4	CA.3	1.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.4						
	MA.2	1.5						
	MA.3	1.6						
	MA.4	1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
G.5	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3 3.8						
G.6	CA.3	1.4 1.9 1.10 3.2 3.3 3.8		CA / I.. / 9-12 / 4 / b				
G.7	CA.3	1.4 1.9 1.10 3.2 3.3 3.8		CA / I.. / 9-12 / 4 / b				
H.1	CA.3 SS.2	1.4 1.9 1.10 2.3		CA / I.. / 9-12 / 4 / b		SS / III.C / 9-12 / 1 / i		
H.2	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.9 1.10 2.1 3.6	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
H.3	CA.3 MA.1 MA.2 MA.3 MA.4	1.3 1.4 1.5 1.6 1.8 1.9 1.10 3.3 3.4 3.5	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.8						
H.4	CA.3	1.1	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 4 / b				
	MA.1	1.3						
	MA.2	1.4						
	MA.3	1.5						
	MA.4	1.6						
		1.8						
		1.9						
		1.10						
		3.3						
		3.4						
		3.5						
		3.6						
		3.8						
H.5	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
H.6	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						
H.7	CA.3	1.4		CA / I.. / 9-12 / 4 / b				
		1.9						
		1.10						
		3.2						
		3.3						
		3.8						

NOTE: The code in parentheses is the competency identification number used in computerized management systems. See also Agricultural Marketing.

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	CA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b		SS / I.D / 9-12 / 1 / a		
	CA.3	1.2	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a		SS / I.D / 9-12 / 1 / b		
	CA.5	1.3	MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 2 / c		SS / I.D / 9-12 / 1 / e		
	CA.6	1.4	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 2 / e		SS / I.D / 9-12 / 1 / f		
	MA.1	1.5	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 3 / b		SS / I.D / 9-12 / 1 / g		
	MA.3	1.6	MA / I.. / 9-12 / 3 / c	CA / I.. / 9-12 / 3 / e		SS / I.D / 9-12 / 1 / h		
	MA.4	1.7	MA / I.. / 9-12 / 3 / e	CA / I.. / 9-12 / 6 / c		SS / I.D / 9-12 / 1 / i		
	MA.6	1.8	MA / I.. / 9-12 / 4 / a	CA / II.. / 9-12 / 5 / b		SS / I.D / 9-12 / 1 / k		
	SS.2	1.9	MA / I.. / 9-12 / 4 / c	CA / II.. / 9-12 / 5 / d		SS / I.D / 9-12 / 1 / l		
	SS.3	1.10	MA / I.. / 9-12 / 4 / d	CA / III.. / 9-12 / 1 / a		SS / I.D / 9-12 / 4 / h		
	SS.4	2.1	MA / I.. / 9-12 / 4 / e	CA / III.. / 9-12 / 1 / b		SS / I.D / 9-12 / 4 / k		
	SS.6	2.2	MA / II.. / 9-12 / 1 / b	CA / III.. / 9-12 / 1 / c		SS / I.D / 9-12 / 4 / n		
	SS.7	2.3	MA / II.. / 9-12 / 1 / c	CA / III.. / 9-12 / 1 / f		SS / III.D / 9-12 / 1 / a		
		2.4	MA / II.. / 9-12 / 1 / d	CA / III.. / 9-12 / 1 / i		SS / III.D / 9-12 / 1 / b		
		2.5	MA / II.. / 9-12 / 1 / g	CA / IV.. / 9-12 / 1 / c		SS / III.D / 9-12 / 1 / c		
		2.6	MA / II.. / 9-12 / 1 / h	CA / IV.. / 9-12 / 1 / d		SS / III.D / 9-12 / 1 / d		
		2.7	MA / II.. / 9-12 / 4 / a			SS / III.D / 9-12 / 1 / e		
		3.1	MA / II.. / 9-12 / 4 / h			SS / III.D / 9-12 / 1 / f		
		3.2	MA / III.. / 9-12 / 1 / b			SS / III.D / 9-12 / 1 / g		
		3.3	MA / III.. / 9-12 / 1 / c			SS / III.D / 9-12 / 1 / i		
		3.4	MA / III.. / 9-12 / 1 / d			SS / III.D / 9-12 / 1 / j		
		3.5	MA / III.. / 9-12 / 2 / a			SS / III.D / 9-12 / 1 / l		
		3.6	MA / III.. / 9-12 / 2 / b			SS / III.D / 9-12 / 3 / a		
		3.7	MA / III.. / 9-12 / 2 / d			SS / III.D / 9-12 / 3 / b		
		3.8	MA / III.. / 9-12 / 5 / a			SS / III.D / 9-12 / 3 / c		
		4.1	MA / III.. / 9-12 / 5 / d			SS / III.D / 9-12 / 3 / d		
		4.2	MA / IV.. / 9-12 / 1 / b			SS / III.D / 9-12 / 3 / f		
		4.3	MA / IV.. / 9-12 / 1 / c			SS / III.D / 9-12 / 3 / g		
		4.4	MA / IV.. / 9-12 / 1 / d			SS / III.D / 9-12 / 3 / i		
		4.5	MA / IV.. / 9-12 / 2 / a			SS / III.D / 9-12 / 5 / j		
		4.6	MA / IV.. / 9-12 / 3 / a					
		4.7	MA / V.. / 9-12 / 1 / a					
		4.8	MA / V.. / 9-12 / 3 / c					

KEY: ' = may use all 'to do' statements; # = same Frameworks as previous competency; 98 = same Frameworks as previous competency; 99 = 'to know' statements may not be applicable

Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
			MA / V.. / 9-12 / 4 / a					
			MA / V.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 1 / a					
			MA / VII.. / 9-12 / 1 / c					
			MA / VII.. / 9-12 / 1 / d					
			MA / VII.. / 9-12 / 1 / e					
			MA / VII.. / 9-12 / 1 / i					
			MA / VII.. / 9-12 / 4 / a					
			MA / VII.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 4 / f					
			MA / VII.. / 9-12 / 4 / g					
			MA / IX.. / 9-12 / 2 / b					
			MA / X.. / 9-12 / 4 / a					
A.2	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SS.2	1.9						
	SS.3	1.10						
	SS.4	2.1						
	SS.6	2.2						
	SS.7	2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
A.3	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SS.2	1.9						
	SS.3	1.10						
	SS.4	2.1						
	SS.6	2.2						
	SS.7	2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
A.4	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SS.2	1.9						
	SS.3	1.10						
	SS.4	2.1						
	SS.6	2.2						
	SS.7	2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						

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98 = same Frameworks as previous competency 99 = 'to know' statements may not be applicable

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
A.5	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SS.2	1.9						
	SS.3	1.10						
	SS.4	2.1						
	SS.6	2.2						
	SS.7	2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
A.6	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SS.2	1.9						
	SS.3	1.10						
	SS.4	2.1						
	SS.6	2.2						
	SS.7	2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.6						
		4.7						
		4.8						
B.1	CA.1	1.1		CA / I.. / 9-12 / 3 / b		SS / I.B / 9-12 / 3 / g		
	CA.2	1.4		CA / I.. / 9-12 / 3 / f		SS / I.B / 9-12 / 3 / j		
	CA.3	1.6		CA / IV.. / 9-12 / 1 / c		SS / I.B / 9-12 / 3 / l		
	CA.4	1.8		CA / IV.. / 9-12 / 1 / d		SS / I.D / 9-12 / 4 / a		
	CA.5	1.10				SS / I.D / 9-12 / 4 / g		
	CA.6	2.1				SS / I.D / 9-12 / 4 / h		
	CA.7	2.3				SS / I.D / 9-12 / 5 / l		
	SS.1	3.7				SS / II.D / 9-12 / 4 / c		
	SS.2	3.8				SS / II.D / 9-12 / 4 / f		
	SS.3	4.1				SS / II.D / 9-12 / 4 / h		
	SS.4	4.6				SS / III.D / 9-12 / 5 / e		
	SS.6	4.7				SS / III.D / 9-12 / 5 / g		
	SS.7					SS / III.D / 9-12 / 5 / j		
B.2	MA.1	1.1	MA / V.. / 9-12 / 1 / c			SS / I.A / 9-12 / 6 / k		
	MA.2	1.2	MA / VII.. / 9-12 / 4 / d					
	MA.4	1.3	MA / VII.. / 9-12 / 4 / e					
	MA.5	1.4	MA / VII.. / 9-12 / 4 / f					
	SS.1	1.6	MA / VII.. / 9-12 / 4 / h					
	SS.3	1.7						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
B.3	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 1 / b		SS / III.D / 9-12 / 1 / b		
	CA.2	1.2		CA / III.. / 9-12 / 1 / a		SS / III.D / 9-12 / 1 / c		

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.3	1.3		CA / III.. / 9-12 / 1 / c		SS / III.D / 9-12 / 1 / f		
	CA.4	1.4		CA / III.. / 9-12 / 1 / e				
	CA.5	1.6		CA / III.. / 9-12 / 1 / h				
	CA.6	1.7						
	CA.7	1.8						
	MA.1	1.10						
	SS.4	2.7						
	SS.7	3.1						
		3.2						
		3.3						
		3.6						
		3.7						
		3.8						
		4.1						
B.4	CA.1	2.1		CA / II.. / 9-12 / 4 / d		SS / I.A / 9-12 / 6 / l		
	CA.4	2.2				SS / I.A / 9-12 / 6 / m		
	CA.5	3.2				SS / II.A / 9-12 / 4 / l		
	CA.6	3.3				SS / II.A / 9-12 / 4 / r		
	CA.7	3.4						
	SS.3	4.4						
	SS.6	4.7						
	SS.7							
B.5	CA.1	1.4		CA / II.. / 9-12 / 3 / b		SS / II.B / 9-12 / 4 / c		
	CA.4	1.8		CA / II.. / 9-12 / 3 / c		SS / II.B / 9-12 / 4 / f		
	CA.5	2.1		CA / II.. / 9-12 / 4 / a		SS / II.B / 9-12 / 4 / j		
	CA.6	2.3		CA / II.. / 9-12 / 4 / b		SS / II.B / 9-12 / 4 / m		
	CA.7	2.5		CA / II.. / 9-12 / 4 / e				
	SS.6	2.6		CA / II.. / 9-12 / 4 / h				
		2.7		CA / II.. / 9-12 / 5 / c				
		3.1		CA / III.. / 9-12 / 4 / a				
		3.2						
		3.4						
		4.4						
		4.5						
B.6	SS.6	1.4				SS / I.B / 9-12 / 2 / c		

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SS.7	1.8				SS / I.B / 9-12 / 2 / f		
		2.1				SS / I.B / 9-12 / 2 / j		
		3.7				SS / I.B / 9-12 / 2 / k		
		3.8						
B.7	CA.3	1.4	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 1 / a				
	CA.4	1.5	MA / I.. / 9-12 / 3 / c	CA / I.. / 9-12 / 1 / b				
	MA.1	1.6	MA / III.. / 9-12 / 5 / a	CA / I.. / 9-12 / 2 / e				
	MA.2	1.7	MA / IV.. / 9-12 / 3 / b					
	MA.3	1.8	MA / V.. / 9-12 / 1 / c					
		1.10						
		3.1						
		3.2						
		3.3						
		3.5						
		3.6						
		4.1						
B.8	CA.1	2.6		CA / II.. / 9-12 / 3 / c				
	CA.6	2.7		CA / II.. / 9-12 / 5 / a				
	CA.7	4.1		CA / II.. / 9-12 / 5 / b				
		4.3		CA / II.. / 9-12 / 6 / a				
				CA / IV.. / 9-12 / 2 / b				
B.9	CA.1	1.4	MA / V.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b				
	CA.3	1.6		CA / I.. / 9-12 / 2 / c				
	CA.6	1.7		CA / I.. / 9-12 / 3 / b				
	MA.1	1.8						
	MA.5	1.10						
		2.6						
B.10	CA.1	1.6	MA / V.. / 9-12 / 1 / c	CA / I.. / 9-12 / 6 / a				
	CA.3	1.8		CA / I.. / 9-12 / 6 / c				
	CA.4	1.10		CA / II.. / 9-12 / 3 / a				
	CA.6	2.1		CA / II.. / 9-12 / 3 / b				
	CA.7	2.2						
	MA.1	2.3						
	MA.3	3.3						

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Agricultural Management and Economics

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
B.11	CA.1	1.6	MA / I.. / 9-12 / 4 / b	CA / II.. / 9-12 / 3 / '				
	CA.4	1.8	MA / I.. / 9-12 / 4 / c					
	CA.6	1.10	MA / I.. / 9-12 / 4 / d					
	CA.7	2.1	MA / IV.. / 9-12 / 3 / c					
	MA.1	2.2	MA / V.. / 9-12 / 1 / c					
	MA.3	2.3						
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.5						
		3.6						
		4.1						
B.12	CA.1	1.1	MA / I.. / 9-12 / 1 / a					
	CA.3	1.2	MA / I.. / 9-12 / 1 / b					
	CA.5	1.3	MA / I.. / 9-12 / 1 / d					
	CA.6	1.4	MA / I.. / 9-12 / 1 / e					
	MA.1	1.5	MA / I.. / 9-12 / 3 / a					
	MA.3	1.6	MA / I.. / 9-12 / 3 / c					
	MA.4	1.7	MA / I.. / 9-12 / 3 / e					
	MA.6	1.8	MA / I.. / 9-12 / 4 / a					
	SS.2	1.9	MA / I.. / 9-12 / 4 / c					
	SS.3	1.10	MA / I.. / 9-12 / 4 / d					
	SS.4	2.1	MA / I.. / 9-12 / 4 / e					
	SS.6	2.2	MA / II.. / 9-12 / 1 / b					
	SS.7	2.3	MA / II.. / 9-12 / 1 / c					
		2.4	MA / II.. / 9-12 / 1 / d					
		2.5	MA / II.. / 9-12 / 1 / g					
		2.6	MA / II.. / 9-12 / 1 / h					
		2.7	MA / II.. / 9-12 / 4 / a					
		3.1	MA / II.. / 9-12 / 4 / h					
		3.2	MA / III.. / 9-12 / 1 / b					
		3.3	MA / III.. / 9-12 / 1 / c					

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4	MA / III.. / 9-12 / 1 / d					
		3.5	MA / III.. / 9-12 / 2 / a					
		3.6	MA / III.. / 9-12 / 2 / b					
		3.7	MA / III.. / 9-12 / 2 / d					
		3.8	MA / III.. / 9-12 / 5 / a					
		4.1	MA / III.. / 9-12 / 5 / d					
		4.2	MA / IV.. / 9-12 / 1 / b					
		4.3	MA / IV.. / 9-12 / 1 / c					
		4.4	MA / IV.. / 9-12 / 1 / d					
		4.5	MA / IV.. / 9-12 / 2 / a					
		4.6	MA / IV.. / 9-12 / 3 / c					
		4.7	MA / V.. / 9-12 / 1 / a					
		4.8	MA / V.. / 9-12 / 3 / a					
			MA / V.. / 9-12 / 4 / a					
			MA / V.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 1 / a					
			MA / VII.. / 9-12 / 1 / c					
			MA / VII.. / 9-12 / 1 / d					
			MA / VII.. / 9-12 / 1 / e					
			MA / VII.. / 9-12 / 1 / l					
			MA / VII.. / 9-12 / 4 / a					
			MA / VII.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 4 / f					
			MA / VII.. / 9-12 / 4 / g					
			MA / IX.. / 9-12 / 2 / b					
			MA / X.. / 9-12 / 4 / a					
B.13	MA.1	1.10	MA / IV.. / 9-12 / 3 / d			SS / I.D / 9-12 / 3 / h		
	MA.3	3.1	MA / X.. / 9-12 / 4 / h			SS / IV.D / 9-12 / 3 / k		
	MA.6	3.2				SS / IV.D / 9-12 / 3 / l		
	SS.2	3.3						
	SS.4	3.6						
	SS.5	3.7						
	SS.6	3.8						
	SS.7	4.1						
		4.2						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
B.14	MA.1	1.10	MA / X.. / 9-12 / 4 / h			SS / I.A / 9-12 / 98 / #		
	MA.6	3.1						
		3.2						
		3.3						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
B.15	SS.2	1.2				SS / II.C / 9-12 / 3 / b		
	SS.4	1.3				SS / II.D / 9-12 / 2 / f		
	SS.6	1.6				SS / II.D / 9-12 / 4 / k		
	SS.7	1.10				SS / III.D / 9-12 / 1 / j		
		3.8						
B.16	SS.4	1.10				SS / II.D / 9-12 / 2 / f		
	SS.6							
	SS.7							
B.17	CA.1	2.6		CA / II.. / 9-12 / 3 / c		SS / II.D / 9-12 / 6 / k		
	CA.6	2.7						
	SS.2	3.8						
	SS.4							
	SS.6							
	SS.7							
C.1	SS.1	1.2				SS / I.D / 9-12 / 1 / b		

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SS.3	1.5				SS / I.D / 9-12 / 1 / g		
	SS.4	1.8				SS / I.D / 9-12 / 1 / j		
	SS.5	2.3				SS / IV.E / 9-12 / 2 / d		
	SS.6	3.1				SS / IV.E / 9-12 / 2 / j		
	SS.7	3.2				SS / IV.E / 9-12 / 2 / m		
		3.3						
		3.6						
		3.7						
		4.3						
C.2	SS.2	1.4				SS / III.D / 9-12 / 2 / c		
	SS.4	1.5				SS / III.D / 9-12 / 2 / g		
	SS.6	1.10				SS / III.D / 9-12 / 2 / i		
	SS.7	2.3				SS / III.D / 9-12 / 2 / j		
		3.1				SS / IV.E / 9-12 / 2 / d		
		3.2				SS / IV.E / 9-12 / 2 / j		
		3.3				SS / IV.E / 9-12 / 2 / m		
		3.6						
		3.7						
		3.8						
		4.3						
C.3	CA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b	SC / II.A / 9-12 / 2 / a	SS / I.D / 9-12 / 1 / a		
	CA.3	1.2	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a	SC / II.B / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / b		
	CA.5	1.3	MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 2 / c	SC / VI.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / e		
	CA.6	1.4	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 2 / e	SC / VIII.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / f		
	MA.1	1.5	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 3 / b		SS / I.D / 9-12 / 1 / g		
	MA.2	1.6	MA / I.. / 9-12 / 3 / c	CA / I.. / 9-12 / 3 / e		SS / I.D / 9-12 / 1 / h		
	MA.3	1.7	MA / I.. / 9-12 / 3 / e	CA / I.. / 9-12 / 6 / c		SS / I.D / 9-12 / 1 / i		
	MA.4	1.8	MA / I.. / 9-12 / 4 / a	CA / II.. / 9-12 / 5 / b		SS / I.D / 9-12 / 1 / k		
	MA.6	1.9	MA / I.. / 9-12 / 4 / c	CA / II.. / 9-12 / 5 / d		SS / I.D / 9-12 / 1 / l		
	SC.3	1.10	MA / I.. / 9-12 / 4 / d	CA / III.. / 9-12 / 1 / a		SS / I.D / 9-12 / 4 / h		
	SC.4	2.1	MA / I.. / 9-12 / 4 / e	CA / III.. / 9-12 / 1 / b		SS / I.D / 9-12 / 4 / k		
	SC.6	2.2	MA / II.. / 9-12 / 1 / b	CA / III.. / 9-12 / 1 / c		SS / I.D / 9-12 / 4 / n		
	SC.8	2.3	MA / II.. / 9-12 / 1 / c	CA / III.. / 9-12 / 1 / f		SS / III.D / 9-12 / 1 / a		
	SS.2	2.4	MA / II.. / 9-12 / 1 / d	CA / III.. / 9-12 / 1 / i		SS / III.D / 9-12 / 1 / b		
	SS.3	2.5	MA / II.. / 9-12 / 1 / g	CA / IV.. / 9-12 / 1 / c		SS / III.D / 9-12 / 1 / c		

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SS.4	2.6	MA / II.. / 9-12 / 1 / h	CA / IV.. / 9-12 / 1 / d		SS / III.D / 9-12 / 1 / d		
	SS.5	2.7	MA / II.. / 9-12 / 4 / a			SS / III.D / 9-12 / 1 / e		
	SS.6	3.1	MA / II.. / 9-12 / 4 / h			SS / III.D / 9-12 / 1 / f		
	SS.7	3.2	MA / III.. / 9-12 / 1 / b			SS / III.D / 9-12 / 1 / g		
		3.3	MA / III.. / 9-12 / 1 / c			SS / III.D / 9-12 / 1 / i		
		3.4	MA / III.. / 9-12 / 1 / d			SS / III.D / 9-12 / 1 / j		
		3.5	MA / III.. / 9-12 / 2 / a			SS / III.D / 9-12 / 1 / l		
		3.6	MA / III.. / 9-12 / 2 / b			SS / III.D / 9-12 / 3 / a		
		3.7	MA / III.. / 9-12 / 2 / d			SS / III.D / 9-12 / 3 / b		
		3.8	MA / III.. / 9-12 / 5 / a			SS / III.D / 9-12 / 3 / c		
		4.1	MA / III.. / 9-12 / 5 / d			SS / III.D / 9-12 / 3 / d		
		4.2	MA / IV.. / 9-12 / 1 / b			SS / III.D / 9-12 / 3 / f		
		4.3	MA / IV.. / 9-12 / 1 / c			SS / III.D / 9-12 / 3 / g		
		4.4	MA / IV.. / 9-12 / 1 / d			SS / III.D / 9-12 / 3 / i		
		4.5	MA / IV.. / 9-12 / 2 / a			SS / III.D / 9-12 / 5 / j		
		4.6	MA / IV.. / 9-12 / 3 / a			SS / IV.D / 9-12 / 3 / h		
		4.7	MA / V.. / 9-12 / 1 / a					
		4.8	MA / V.. / 9-12 / 3 / c					
			MA / V.. / 9-12 / 4 / a					
			MA / V.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 1 / a					
			MA / VII.. / 9-12 / 1 / c					
			MA / VII.. / 9-12 / 1 / d					
			MA / VII.. / 9-12 / 1 / e					
			MA / VII.. / 9-12 / 1 / i					
			MA / VII.. / 9-12 / 4 / a					
			MA / VII.. / 9-12 / 4 / c					
			MA / VII.. / 9-12 / 4 / f					
			MA / VII.. / 9-12 / 4 / g					
			MA / VII.. / 9-12 / 4 / h					
			MA / IX.. / 9-12 / 2 / b					
			MA / X.. / 9-12 / 4 / a					
C.4	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						
	MA.6	1.8						
	SC.3	1.9						
	SC.4	1.10						
	SC.6	2.1						
	SC.8	2.2						
	SS.2	2.3						
	SS.3	2.4						
	SS.4	2.5						
	SS.5	2.6						
	SS.6	2.7						
	SS.7	3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.5	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.2	1.6						
	MA.3	1.7						
	MA.4	1.8						
	MA.6	1.9						
	SC.3	1.10						
	SC.4	2.1						
	SC.6	2.2						
	SC.8	2.3						
	SS.2	2.4						
	SS.3	2.5						
	SS.4	2.6						
	SS.5	2.7						
	SS.6	3.1						
	SS.7	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.6	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.3	1.6						
	MA.4	1.7						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.6	1.8						
	SC.3	1.9						
	SC.4	1.10						
	SC.6	2.1						
	SC.8	2.2						
	SS.2	2.3						
	SS.3	2.4						
	SS.4	2.5						
	SS.5	2.6						
	SS.6	2.7						
	SS.7	3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.7	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.2	1.6						
	MA.3	1.7						
	MA.4	1.8						
	MA.6	1.9						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3	1.10						
	SC.4	2.1						
	SC.6	2.2						
	SC.8	2.3						
	SS.2	2.4						
	SS.3	2.5						
	SS.4	2.6						
	SS.5	2.7						
	SS.6	3.1						
	SS.7	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.8	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.2	1.6						
	MA.3	1.7						
	MA.4	1.8						
	MA.6	1.9						
	SC.3	1.10						
	SC.4	2.1						

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.6	2.2						
	SC.8	2.3						
	SS.2	2.4						
	SS.3	2.5						
	SS.4	2.6						
	SS.5	2.7						
	SS.6	3.1						
	SS.7	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.9	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3	1.2						
	CA.5	1.3						
	CA.6	1.4						
	MA.1	1.5						
	MA.2	1.6						
	MA.3	1.7						
	MA.4	1.8						
	MA.6	1.9						
	SC.3	1.10						
	SC.4	2.1						
	SC.6	2.2						
	SC.8	2.3						

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SS.2	2.4						
	SS.3	2.5						
	SS.4	2.6						
	SS.5	2.7						
	SS.6	3.1						
	SS.7	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
D.1	CA.1	1.8		CA / I.. / 9-12 / 6 / a				
	CA.2	1.10		CA / II.. / 9-12 / 3 / *				
	CA.3	2.1		CA / II.. / 9-12 / 5 / a				
	CA.4	2.2		CA / II.. / 9-12 / 5 / b				
	CA.5	2.3		CA / II.. / 9-12 / 5 / c				
	CA.6	2.4		CA / II.. / 9-12 / 6 / *				
	CA.7	2.6						
		2.7						
D.2		2.1		CA / II.. / 9-12 / 3 / *				
		2.2		CA / II.. / 9-12 / 4 / a				
		2.3		CA / II.. / 9-12 / 4 / b				
		2.4		CA / II.. / 9-12 / 4 / c				
		2.5		CA / II.. / 9-12 / 4 / e				
		2.6		CA / II.. / 9-12 / 4 / f				
		2.7		CA / II.. / 9-12 / 4 / h				

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.5		CA / II.. / 9-12 / 5 / a				
				CA / II.. / 9-12 / 5 / b				
				CA / II.. / 9-12 / 5 / c				
				CA / II.. / 9-12 / 6 / *				
D.3	CA.1	1.8		CA / I.. / 9-12 / 6 / a				
	CA.2	1.10		CA / II.. / 9-12 / 3 / *				
	CA.3	2.1		CA / II.. / 9-12 / 4 / a				
	CA.4	2.2		CA / II.. / 9-12 / 4 / b				
	CA.5	2.3		CA / II.. / 9-12 / 4 / c				
	CA.6	2.4		CA / II.. / 9-12 / 4 / e				
	CA.7	2.5		CA / II.. / 9-12 / 4 / f				
		2.6		CA / II.. / 9-12 / 4 / h				
		2.7		CA / II.. / 9-12 / 5 / *				
		4.5		CA / II.. / 9-12 / 6 / *				
D.4	CA.1	1.2		CA / I.. / 9-12 / 2 / c				FA / IV.A / 9-12 / 3 / a
	CA.2	1.4		CA / I.. / 9-12 / 2 / e				FA / IV.A / 9-12 / 4 / a
	CA.3	1.5		CA / II.. / 9-12 / 3 / *				FA / IV.C / 9-12 / 1 / b
	CA.4	1.7		CA / II.. / 9-12 / 4 / a				FA / IV.C / 9-12 / 4 / a
	CA.5	1.8		CA / II.. / 9-12 / 4 / b				FA / IV.C / 9-12 / 5 / b
	CA.6	1.9		CA / II.. / 9-12 / 4 / c				FA / IV.C / 9-12 / 5 / c
	CA.7	2.1		CA / II.. / 9-12 / 4 / e				FA / IV.D / 9-12 / 6 / b
	FA.1	2.2		CA / II.. / 9-12 / 4 / f				
	FA.2	2.3		CA / II.. / 9-12 / 4 / h				
	FA.3	2.4		CA / II.. / 9-12 / 5 / *				
	FA.4	2.5		CA / II.. / 9-12 / 6 / *				
		2.7						
		3.6						
		4.5						
		4.8						
D.5	CA.1	1.4		CA / I.. / 9-12 / 3 / b				FA / IV.A / 9-12 / 3 / a
	CA.2	1.5		CA / II.. / 9-12 / 3 / *				FA / IV.A / 9-12 / 4 / a
	CA.3	1.7		CA / II.. / 9-12 / 4 / a				FA / IV.C / 9-12 / 1 / b
	CA.4	1.8		CA / II.. / 9-12 / 4 / b				FA / IV.C / 9-12 / 4 / a
	CA.5	1.9		CA / II.. / 9-12 / 4 / c				FA / IV.C / 9-12 / 5 / b
	CA.6	2.1		CA / II.. / 9-12 / 4 / e				FA / IV.C / 9-12 / 5 / c

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.7	2.2		CA / II.. / 9-12 / 4 / i				FA / IV.D / 9-12 / 6 / b
	FA.1	2.3		CA / II.. / 9-12 / 4 / h				
	FA.2	2.4		CA / II.. / 9-12 / 5 / e				
	FA.3	2.5		CA / II.. / 9-12 / 6 / '				
	FA.4	2.7		CA / III.. / 9-12 / 4 / b				
		3.1						
		3.6						
		4.5						
		4.8						
E.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.2	CA.1	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
E.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
E.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
F.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

KEY: ' = may use all 'to do' statements # = same Frameworks as previous competency
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Competency Profile Date: 1994

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Agricultural Marketing

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	CA.6	1.1	MA / IV.. / 9-12 / 1 / *	CA / II.. / 9-12 / 5 / *	SC / II.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / *	HP / II.B / 9-12 / 3 / a	
	HP.6	2.2	MA / IV.. / 9-12 / 2 / *			SS / I.D / 9-12 / 2 / *	HP / II.B / 9-12 / 4 / a	
	MA.4	3.3	MA / IV.. / 9-12 / 3 / *			SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 5 / a	
	SC.7	3.4				SS / I.D / 9-12 / 7 / *	HP / II.B / 9-12 / 6 / a	
	SS.4	4.7				SS / I.D / 9-12 / 8 / *	HP / II.B / 9-12 / 8 / a	
A.2	CA.6	1.1	MA / IV.. / 9-12 / 1 / *	CA / II.. / 9-12 / 5 / *	SC / II.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / *	HP / I.A / 9-12 / 98 / #	
	HP.6	2.2	MA / IV.. / 9-12 / 2 / *			SS / I.D / 9-12 / 2 / *		
	MA.4	3.3	MA / IV.. / 9-12 / 3 / *			SS / I.D / 9-12 / 5 / *		
	SC.7	3.4				SS / I.D / 9-12 / 7 / *		
	SS.4	4.7				SS / I.D / 9-12 / 8 / *		
A.3	SS.4	1.1	MA / III.. / 9-12 / 1 / *			SS / I.D / 9-12 / 1 / *		
		2.1	MA / III.. / 9-12 / 2 / *			SS / I.D / 9-12 / 2 / *		
			MA / III.. / 9-12 / 5 / *			SS / I.D / 9-12 / 5 / *		
						SS / I.D / 9-12 / 6 / *		
						SS / I.D / 9-12 / 8 / *		
A.4	SS.4	1.1	MA / III.. / 9-12 / 1 / *			SS / I.D / 9-12 / 5 / *		
		3.1	MA / III.. / 9-12 / 2 / *			SS / I.D / 9-12 / 6 / *		
			MA / III.. / 9-12 / 5 / *					
A.5	SS.4	1.1	MA / III.. / 9-12 / 1 / *			SS / I.D / 9-12 / 1 / *		
		1.6	MA / III.. / 9-12 / 2 / *			SS / I.D / 9-12 / 2 / *		
		1.8	MA / III.. / 9-12 / 5 / *					
A.6	SS.4	1.1	MA / I.. / 9-12 / 4 / *			SS / I.D / 9-12 / 2 / *		
		2.3				SS / I.D / 9-12 / 8 / *		
		3.3						
		4.4						
A.7	SS.4	1.1	MA / III.. / 9-12 / 1 / *	CA / I.. / 9-12 / 2 / *		SS / I.D / 9-12 / 1 / *		
		1.2	MA / III.. / 9-12 / 5 / *					
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						

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Agricultural Marketing

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8 1.9 1.10 2.3 3.4						
A.8	SS.4	1.1 2.1	MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 2 / * MA / III.. / 9-12 / 5 / *			SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 8 / *		
A.9	SS.4	1.1 2.4	MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 5 / *	CA / I.. / 9-12 / 2 / *		SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 5 / * SS / I.D / 9-12 / 8 / *		
A.10	SS.4	1.1 2.3	MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 5 / *			SS / I.D / 9-12 / 1 / *		
A.11	SC.3	1.1 1.5 2.6 3.7			SC / VII.A / 9-12 / 4 / a	SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 8 / *		
A.12	SS.4	1.1 2.1	MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 2 / * MA / III.. / 9-12 / 5 / *	CA / I.. / 9-12 / 2 / *		SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 5 / * SS / I.D / 9-12 / 8 / *		
A.13	MA.3 SS.4	1.1 2.1 3.1 4.1	MA / I.. / 9-12 / 4 / * MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 2 / * MA / III.. / 9-12 / 5 / *	CA / I.. / 9-12 / 2 / *		SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 8 / *		
A.14	MA.3 SS.4	1.1 3.1	MA / I.. / 9-12 / 98 / #			SS / I.A / 9-12 / 98 / #		
A.15	MA.3 SS.4	1.1 2.1 3.1 4.1	MA / I.. / 9-12 / 98 / #			SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 5 / * SS / I.D / 9-12 / 8 / *		
A.16	MA.3 SS.4	1.1 2.1 3.1	MA / I.. / 9-12 / 4 / * MA / III.. / 9-12 / 1 / * MA / III.. / 9-12 / 5 / *	CA / I.. / 9-12 / 2 / *		SS / I.A / 9-12 / 98 / #		

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Agricultural Marketing

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
A.17	MA.3	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 2 / '		SS / I.D / 9-12 / 1 / '		
	SS.4	2.3				SS / I.D / 9-12 / 2 / '		
		3.1				SS / I.D / 9-12 / 5 / '		
		4.6				SS / I.D / 9-12 / 8 / '		
A.18	MA.3	1.1	MA / I.. / 9-12 / 4 / '			SS / I.D / 9-12 / 1 / '		
	SS.4	2.3				SS / I.D / 9-12 / 5 / '		
		3.1				SS / I.D / 9-12 / 8 / '		
		4.8						
A.19	MA.3	1.1	MA / I.. / 9-12 / 4 / '			SS / I.D / 9-12 / 1 / '		
	SS.4	2.4	MA / III.. / 9-12 / 1 / '			SS / I.D / 9-12 / 5 / '		
		3.1	MA / III.. / 9-12 / 2 / '			SS / I.D / 9-12 / 8 / '		
		4.7	MA / III.. / 9-12 / 5 / '					
A.20	CA.6	1.1	MA / IV.. / 9-12 / 1 / '	CA / II.. / 9-12 / 5 / '	SC / II.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / '	HP / II.B / 9-12 / 3 / a	
	HP.6	2.2	MA / IV.. / 9-12 / 2 / '			SS / I.D / 9-12 / 2 / '	HP / II.B / 9-12 / 4 / a	
	MA.4	3.3	MA / IV.. / 9-12 / 3 / '			SS / I.D / 9-12 / 5 / '	HP / II.B / 9-12 / 5 / a	
	SC.7	3.4				SS / I.D / 9-12 / 7 / '	HP / II.B / 9-12 / 6 / a	
	SS.4	4.7				SS / I.D / 9-12 / 8 / '	HP / II.B / 9-12 / 8 / a	
B.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
B.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
B.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
B.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
B.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						

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Agricultural Marketing

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
C.2	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
C.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
C.4	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
C.5	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
C.6	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
C.7	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	CA.1	1.2	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / d	SC / III.B / 9-12 / 1 / a	SS / II.C / 9-12 / 1 / i		
	CA.3	1.4			SC / IV.C / 9-12 / 2 / a			
	CA.5	1.5						
	CA.7	1.6						
	MA.1	1.7						
	MA.2	1.10						
	MA.3	2.1						
	MA.4	2.4						
	MA.5	3.1						
	MA.6	3.2						
	SC.1	3.3						
	SC.2	3.4						
	SC.8	3.6						
	SS.2	3.8						
		4.1						
A.2	CA.1	1.2	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / d	SC / III.B / 9-12 / 1 / a	SS / III.C / 9-12 / 1 / I		
	CA.3	1.4			SC / IV.C / 9-12 / 2 / a			
	CA.5	1.5						
	CA.7	1.6						
	MA.1	1.7						
	MA.2	1.10						
	MA.3	2.1						
	MA.4	2.4						
	MA.5	3.1						
	MA.6	3.2						
	SC.1	3.3						
	SC.2	3.4						
	SC.8	3.6						
	SS.2	3.8						
		4.1						
A.3	HP.6	3.2					HP / III.D / 9-12 / 1 / a	
	SC.8	4.3						

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Competency Profile Date: 1994

Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.1	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
B.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
B.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
B.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 3 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 3 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						

KEY:		
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
B.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
B.6	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
B.7	CA.3	1.3	MA / IV.. / 9-12 / 3 / c	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.4		CA / I.. / 9-12 / 2 / c				
	SC.8	1.5						
		1.6						
		1.7						
		1.10						
		3.2						
		3.4						
		3.7						
C.1	CA.1	1.5		CA / III.. / 9-12 / 1 / a	SC / I.A / 9-12 / 4 / a			
	CA.3	1.8		CA / III.. / 9-12 / 1 / l				
	CA.6	1.10						
	SC.8	2.1						
		3.1						
		3.7						

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Competency Profile Date: 1994

Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.2	CA.1	1.5		CA / III.. / 9-12 / 1 / a	SC / I.A / 9-12 / 4 / a			
	CA.3	1.8		CA / III.. / 9-12 / 1 / l				
	CA.6	1.10						
	SC.8	2.1						
		3.1						
		3.7						
C.3	CA.1	1.5		CA / III.. / 9-12 / 1 / a	SC / I.A / 9-12 / 4 / a			
	CA.3	1.8		CA / III.. / 9-12 / 1 / l				
	CA.6	1.10						
	SC.8	2.1						
		3.1						
		3.7						
D.1	CA.1	1.2		CA / III.. / 9-12 / 1 / d	SC / I.A / 9-12 / 4 / a			
	CA.3	1.3		CA / III.. / 9-12 / 1 / j				
	CA.5	1.4						
	CA.6	1.5						
	SC.8	1.8						
		1.10						
		2.7						
		3.2						
		3.3						
D.2	CA.1	1.2		CA / III.. / 9-12 / 1 / d	SC / I.A / 9-12 / 4 / a			
	CA.3	1.3		CA / III.. / 9-12 / 1 / j				
	CA.5	1.4						
	CA.6	1.5						
	SC.8	1.8						
		1.10						
		2.7						
		3.2						
		3.3						
D.3	CA.1	1.2		CA / III.. / 9-12 / 1 / d	SC / I.A / 9-12 / 4 / a			
	CA.3	1.3		CA / III.. / 9-12 / 1 / j				
	CA.5	1.4						
	CA.6	1.5						

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Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	1.8						
		1.10						
		2.7						
		3.2						
		3.3						
E.1	CA.3	1.2		CA / I.. / 9-12 / 1 / b	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
E.2	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	CA.5	1.3		CA / I.. / 9-12 / 2 / c				
	CA.7	1.4						
	SC.8	1.5						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		3.8						
F.1	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						

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Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.3						
		3.6						
F.2	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
F.3	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
F.4	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						

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Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
F.5	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
F.6	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
F.7	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						

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Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
G.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
G.2	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
G.3	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
G.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
G.5	CA.3	1.2	' MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
G.6	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3		CA / I.. / 9-12 / 2 / c				
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						

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Agricultural Power I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6 4.1						
G.7	CA.3 MA.2 MA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6 4.1	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c	SC / I.A / 9-12 / 4 / a			
G.8	CA.3 MA.2 MA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6 4.1	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c	SC / I.A / 9-12 / 4 / a			
G.9	CA.3	1.10 2.7 3.7		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c				
H.1	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
H.2	CA.4	1.2 1.8		CA / IV.. / 9-12 / 2 / d				

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Agricultural Power I

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.8						
H.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
H.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
H.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
I.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
I.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
I.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
I.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
I.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
I.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
I.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	CA.1	1.2	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / d	SC / III.B / 9-12 / 1 / a	SS / III.C / 9-12 / 1 / i		
	CA.3	1.4			SC / IV.C / 9-12 / 2 / a			
	CA.5	1.5						
	CA.7	1.6						
	MA.1	1.7						
	MA.2	1.10						
	MA.3	2.1						
	MA.4	2.4						
	MA.5	3.1						
	MA.6	3.2						
	SC.1	3.3						
	SC.2	3.4						
	SC.8	3.6						
	SS.2	3.8						
		4.1						
A.2	CA.1	1.2	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / d	SC / III.B / 9-12 / 1 / a	SS / III.C / 9-12 / 1 / i		
	CA.3	1.4			SC / IV.C / 9-12 / 2 / a			
	CA.5	1.5						
	CA.7	1.6						
	MA.1	1.7						
	MA.2	1.10						
	MA.3	2.1						
	MA.4	2.4						
	MA.5	3.1						
	MA.6	3.2						
	SC.1	3.3						
	SC.2	3.4						
	SC.8	3.6						
	SS.2	3.8						
		4.1						
A.3	HP.6	3.2					HP / III.D / 9-12 / 1 / a	
	SC.8	4.3						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.1	CA.3	1.2		CA / I.. / 9-12 / 2 / a	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3		CA / I.. / 9-12 / 2 / c				
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.2	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.3	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.4	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.5	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.6	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.7	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7 1.8 1.10 2.7 3.1 3.3 3.6						
B.8	CA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6		CA/1../9-12/98/#	SC/1.A/9-12/4/a			
B.9	CA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6		CA/1../9-12/98/#	SC/1.A/9-12/4/a			
B.10	CA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8		CA/1../9-12/98/#	SC/1.A/9-12/4/a			

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.11	CA.3	1.2		CA / I.L / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.12	CA.3	1.2		CA / I.L / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
B.13	CA.3	1.2		CA / I.L / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	SC.8	1.3						
		1.4						
		1.5						
		1.7						
		1.8						
		1.10						
		2.7						

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.3						
		3.6						
C.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.2	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.3	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						

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Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.3						
		3.6						
		4.1						
C.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.5	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.6	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.7	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.8	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.9	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.10	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.11	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.12	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						

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Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
C.13	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
D.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
D.2	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						

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Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7 1.8 1.10 2.7 3.1 3.3 3.6 4.1						
D.3	CA.3 MA.2 MA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6 4.1	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
D.4	CA.3 MA.2 MA.3 SC.8	1.2 1.3 1.4 1.5 1.7 1.8 1.10 2.7 3.1 3.3 3.6 4.1	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
D.5	CA.3 MA.2 MA.3	1.2 1.3 1.4	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
D.6	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
D.7	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
D.8	CA.3	1.2	MA / IV.. / 9-12 / 3 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a			
	MA.2	1.3						

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Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.3	1.4						
	SC.8	1.5						
		1.7						
		1.8						
		1.10						
		2.7						
		3.1						
		3.3						
		3.6						
		4.1						
E.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
E.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
E.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
E.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
F.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.2	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					

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Agricultural Power II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7	MA / V.. / 9-12 / 1 / a					
F.4	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
F.5	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
F.6	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
F.7	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					

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Competency Profile Date: 1994

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All compentecies involving safety require a Number 3 Rating. See also crosswalk for SAE program.

Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3 SS.4 SS.6 SS.7	1.2 4.6		CA / IV.. / 9-12 / 2 / d		SS / II.D / 9-12 / 3 / n SS / II.D / 9-12 / 4 / n SS / II.D / 9-12 / 5 / n		
A.2	CA.4	1.10 4.8		CA / IV.. / 9-12 / 2 / d				
A.3		1.1 4.8		CA / IV.. / 9-12 / 2 / d				
B.1	SS.6	3.2 3.3 3.4 4.1				SS / II.B / 9-12 / 5 / j SS / II.B / 9-12 / 5 / l		
B.2	SS.2 SS.7	1.1 1.9				SS / III.C / 9-12 / 1 / a SS / III.C / 9-12 / 1 / h		
B.3	SS.6	1.2 1.3 1.6 1.9				SS / III.C / 9-12 / 3 / b SS / III.C / 9-12 / 3 / h		
B.4	CA.1 SS.2 SS.6	1.2 1.3 1.6 2.1 2.2 4.3		CA / II.. / 9-12 / 3 / a		SS / IV.B / 9-12 / 4 / b SS / IV.B / 9-12 / 4 / h SS / IV.B / 9-12 / 4 / o		
B.5	SS.6	4.3				SS / II.B / 9-12 / 2 / l		
B.6	SS.1 SS.6	1.10 2.3 4.2				SS / I.A / 9-12 / 8 / f SS / I.A / 9-12 / 8 / h SS / I.A / 9-12 / 8 / j		
C.1	SS.1 SS.3	1.8 4.4				SS / I.A / 9-12 / 7 / d SS / I.A / 9-12 / 7 / m		
C.2	CA.3	1.4		CA / I.. / 9-12 / 2 / c				

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7						
C.3	CA.3	1.4		CA / I.. / 9-12 / 2 / c				
		1.7						
C.4	CA.3			CA / I.. / 9-12 / 2 / c				
D.1	MA.1	1.4	MA / IV.. / 5-8 / 2 / d					
		1.8	MA / IV.. / 9-12 / 2 / d					
		4.1	MA / IV.. / 5-8 / 3 / d					
		4.4	MA / IV.. / 9-12 / 3 / d					
D.2	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		4.1						
		4.4						
D.3	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		4.1						
		4.4						
D.4	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		4.1						
		4.4						
D.5	CA.3	1.3		CA / I.. / 9-12 / 2 / a				
	CA.4	1.4		CA / I.. / 9-12 / 2 / c				
		1.7						
E.1	SC.3	1.3			SC / VII.B / 9-12 / 3 / a			
	SC.4	1.7						
		1.8						
		3.5						
		3.6						
E.2	SC.3	1.3			SC / VII.B / 9-12 / 3 / a			
	SC.4	1.7						
		1.8						
		3.5						
		3.6						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
E.3	SC.3	1.3			SC / VII.B / 9-12 / 3 / a			
	SC.4	1.7						
		1.8						
		3.5						
		3.6						
E.4	SC.3	1.3			SC / VII.B / 9-12 / 3 / a			
	SC.4	1.7						
		1.8						
		3.5						
		3.6						
E.5	SC.3	1.3			SC / VII.B / 9-12 / 3 / a			
	SC.4	1.7						
		1.8						
		3.5						
		3.6						
E.6	SC.3	1.3			SC / VII.D / 9-12 / 1 / a			
	SC.4	1.7						
		1.8						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
E.7	MA.1	1.1	MA / IV.. / 9-12 / 3 / a		SC / VII.D / 9-12 / 2 / a			
	MA.3	1.2	MA / IV.. / 9-12 / 3 / b					
	MA.4	1.3	MA / IV.. / 9-12 / 3 / c					
	SC.3	1.4	MA / IV.. / 9-12 / 3 / d					
	SC.8	1.6	MA / IV.. / 9-12 / 3 / e					
		1.7	MA / V.. / 9-12 / 1 / a					
		1.8	MA / V.. / 9-12 / 1 / b					
		1.10	MA / V.. / 9-12 / 1 / c					

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5	MA / V.. / 9-12 / 2 / a					
		2.6	MA / V.. / 9-12 / 2 / b					
		3.1	MA / V.. / 9-12 / 2 / c					
		3.2	MA / V.. / 9-12 / 4 / a					
		3.3	MA / V.. / 9-12 / 4 / b					
		3.4	MA / V.. / 9-12 / 4 / c					
		3.5	MA / VII.. / 9-12 / 1 / *					
		3.6	MA / VII.. / 9-12 / 2 / *					
		3.7	MA / VII.. / 9-12 / 3 / *					
		3.8	MA / VII.. / 9-12 / 4 / *					
		4.7	MA / VII.. / 9-12 / 5 / *					
			MA / IX.. / 9-12 / 1 / *					
			MA / IX.. / 9-12 / 3 / *					
			MA / IX.. / 9-12 / 4 / *					
F.1	SC.3	1.1			SC / VII.C / 9-12 / 2 / a			
	SC.4	1.2						
		1.3						
		1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.2	SC.3	1.1			SC / VII.C / 9-12 / 2 / a			
	SC.4	1.2						
		1.3						
		1.5						
		1.6						

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.3	SC.3	1.1			SC / VII.A / 9-12 / 1 / a			
	SC.4	1.2			SC / VII.A / 9-12 / 2 / a			
		1.3			SC / VII.A / 9-12 / 4 / a			
		1.5			SC / VII.B / 9-12 / 1 / a			
		1.6			SC / VII.B / 9-12 / 3 / a			
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.4	SC.3	1.1			SC / I.A / 9-12 / 98 / #			
	SC.4	1.2						
		1.3						
		1.5						
		1.6						
		1.7						
		1.8						
		1.10						

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.5	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VII.A / 9-12 / 1 / a			
	MA.1	1.3	MA / V.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *	SC / VII.A / 9-12 / 2 / a			
	MA.3	1.4	MA / V.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *	SC / VII.A / 9-12 / 4 / a			
	MA.4	1.7	MA / V.. / 9-12 / 4 / *		SC / VII.B / 9-12 / 1 / a			
	SC.3	1.8	MA / VII.. / 9-12 / 1 / *		SC / VII.B / 9-12 / 3 / a			
	SC.4	2.5	MA / VII.. / 9-12 / 2 / *					
		2.6	MA / VII.. / 9-12 / 3 / *					
		3.1	MA / VII.. / 9-12 / 4 / *					
		3.2	MA / VII.. / 9-12 / 5 / *					
		3.3	MA / IX.. / 9-12 / 1 / *					
		3.4	MA / IX.. / 9-12 / 3 / *					
		3.5	MA / IX.. / 9-12 / 4 / *					
		3.6						
		3.7						
		3.8						
G.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *		SS / III.C / 9-12 / 1 / i	HP / III.D / 9-12 / 1 / a	
	HP.6	1.2		CA / IV.. / 9-12 / 2 / *				
	MA.3	1.3		CA / IV.. / 9-12 / 3 / *				
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
G.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	HP.3	2.5		CA / IV.. / 9-12 / 2 / *	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
	HP.6	3.1		CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 11 / a	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 12 / a	
	SC.8	3.3					HP / III.D / 9-12 / 1 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
G.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
G.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
G.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
H.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / I	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2						
	MA.3	1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
H.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	

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Competency Profile Date: 1996

Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
H.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
H.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *					
	HP.6	3.1	MA / V.. / 9-12 / 2 / *					
	MA.1	3.2	MA / V.. / 9-12 / 4 / *					
	MA.3	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
I.1	CA.3	1.1		CA / I.. / 9-12 / 98 / #				
		1.2						
		1.3						
		1.4						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7 1.8 2.5 3.4 3.7						
1.2	CA.3 HP.6 MA.3	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / i	HP / II.D / 9-12 / 1 / a	
1.3	CA.3 HP.3 HP.6 MA.3 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a SC / VIII.B / 9-12 / 2 / a SC / VIII.B / 9-12 / 2 / b SC / VIII.B / 9-12 / 2 / c		HP / II.D / 9-12 / 1 / a HP / III.A / 9-12 / 1 / a HP / III.A / 9-12 / 9 / b HP / III.A / 9-12 / 11 / a HP / III.A / 9-12 / 12 / a	
1.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
I.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *					
	HP.6	3.1	MA / V.. / 9-12 / 2 / *					
	MA.1	3.2	MA / V.. / 9-12 / 4 / *					
	MA.3	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
I.6	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
J.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *		SS / III.C / 9-12 / 1 / I	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2		CA / IV.. / 9-12 / 2 / *				
	MA.3	1.3		CA / IV.. / 9-12 / 3 / *				
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
J.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
J.3	HP.3	1.1		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	SC.8	1.2						

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.3						
		1.4						
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
J.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / '		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / '		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / '		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
J.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						
		3.6						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
		4.7						
K.1	CA.3	1.1		CA / I.. / 9-12 / 98 / #				
		1.2						
		1.3						
		1.4						
		1.7						
		1.8						
		2.5						
		3.4						
		3.7						
K.2	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / I	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2						
	MA.3	1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
K.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *				HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
K.4	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5		CA / IV.. / 9-12 / 2 / *	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1		CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
K.5	HP.3	1.1		CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
K.6	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #		SS / IV.D / 9-12 / 1 / f		
	MA.1	1.5	MA / V.. / 9-12 / 1 / '			SS / IV.D / 9-12 / 1 / g		
	MA.3	1.6	MA / V.. / 9-12 / 2 / '			SS / IV.D / 9-12 / 1 / h		
	SS.4	1.7	MA / V.. / 9-12 / 4 / '			SS / IV.D / 9-12 / 1 / j		
		1.8				SS / IV.D / 9-12 / 1 / k		
		2,5				SS / IV.D / 9-12 / 1 / l		
		3.1				SS / IV.D / 9-12 / 1 / n		
		3.2				SS / IV.D / 9-12 / 1 / o		
		3.3				SS / IV.D / 9-12 / 2 / f		
		3.4				SS / IV.D / 9-12 / 2 / g		
		3.5				SS / IV.D / 9-12 / 2 / h		
		3.6				SS / IV.D / 9-12 / 2 / j		
		3.7				SS / IV.D / 9-12 / 2 / k		
		3.8				SS / IV.D / 9-12 / 2 / l		
						SS / IV.D / 9-12 / 2 / n		
						SS / IV.D / 9-12 / 2 / o		
						SS / IV.D / 9-12 / 3 / f		
						SS / IV.D / 9-12 / 3 / g		
						SS / IV.D / 9-12 / 3 / h		
						SS / IV.D / 9-12 / 3 / j		
						SS / IV.D / 9-12 / 3 / k		
						SS / IV.D / 9-12 / 3 / l		
						SS / IV.D / 9-12 / 3 / n		
						SS / IV.D / 9-12 / 3 / o		
						SS / IV.D / 9-12 / 4 / f		
						SS / IV.D / 9-12 / 4 / g		
						SS / IV.D / 9-12 / 4 / h		
						SS / IV.D / 9-12 / 4 / j		
						SS / IV.D / 9-12 / 4 / k		
						SS / IV.D / 9-12 / 4 / l		
						SS / IV.D / 9-12 / 4 / n		
						SS / IV.D / 9-12 / 4 / o		
L.1	CA.3	1.3		CA / IV.. / 9-12 / 1 / '		SS / I.D / 9-12 / 1 / c		
	SS.4	3.1		CA / IV.. / 9-12 / 2 / '		SS / I.D / 9-12 / 1 / d		
		3.2		CA / IV.. / 9-12 / 3 / '		SS / I.D / 9-12 / 1 / l		

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3				SS / I.D / 9-12 / 1 / g		
		3.4				SS / I.D / 9-12 / 1 / h		
		3.5				SS / I.D / 9-12 / 1 / i		
		3.6				SS / I.D / 9-12 / 1 / j		
		3.7				SS / I.D / 9-12 / 1 / k		
						SS / I.D / 9-12 / 1 / l		
						SS / I.D / 9-12 / 1 / m		
						SS / I,D / 9-12 / 1 / n		
						SS / I.D / 9-12 / 2 / c		
						SS / I.D / 9-12 / 2 / d		
						SS / I.D / 9-12 / 2 / f		
						SS / I.D / 9-12 / 2 / g		
						SS / I.D / 9-12 / 2 / h		
						SS / I.D / 9-12 / 2 / i		
						SS / I.D / 9-12 / 2 / j		
						SS / I.D / 9-12 / 2 / k		
						SS / I.D / 9-12 / 2 / l		
						SS / I.D / 9-12 / 2 / m		
						SS / I.D / 9-12 / 2 / n		
						SS / I.D / 9-12 / 3 / c		
						SS / I.D / 9-12 / 3 / d		
						SS / I.D / 9-12 / 3 / f		
						SS / I.D / 9-12 / 3 / g		
						SS / I.D / 9-12 / 3 / h		
						SS / I.D / 9-12 / 3 / i		
						SS / I.D / 9-12 / 3 / j		
						SS / I.D / 9-12 / 3 / k		
						SS / I.D / 9-12 / 3 / l		
						SS / I.D / 9-12 / 3 / m		
						SS / I.D / 9-12 / 3 / n		
						SS / I.D / 9-12 / 4 / c		
						SS / I.D / 9-12 / 4 / d		
						SS / I.D / 9-12 / 4 / f		
						SS / I.D / 9-12 / 4 / g		
						SS / I.D / 9-12 / 4 / h		

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Competency Profile Date: 1996

Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / I.D / 9-12 / 4 / i		
						SS / I.D / 9-12 / 4 / j		
						SS / I.D / 9-12 / 4 / k		
						SS / I.D / 9-12 / 4 / l		
						SS / I.D / 9-12 / 4 / m		
						SS / I.D / 9-12 / 4 / n		
						SS / I.D / 9-12 / 5 / c		
						SS / I.D / 9-12 / 5 / d		
						SS / I.D / 9-12 / 5 / f		
						SS / I.D / 9-12 / 5 / g		
						SS / I.D / 9-12 / 5 / h		
						SS / I.D / 9-12 / 5 / i		
						SS / I.D / 9-12 / 5 / j		
						SS / I.D / 9-12 / 5 / k		
						SS / I.D / 9-12 / 5 / l		
						SS / I.D / 9-12 / 5 / m		
						SS / I.D / 9-12 / 5 / n		
						SS / I.D / 9-12 / 6 / c		
						SS / I.D / 9-12 / 6 / d		
						SS / I.D / 9-12 / 6 / f		
						SS / I.D / 9-12 / 6 / g		
						SS / I.D / 9-12 / 6 / h		
						SS / I.D / 9-12 / 6 / i		
						SS / I.D / 9-12 / 6 / j		
						SS / I.D / 9-12 / 6 / k		
						SS / I.D / 9-12 / 6 / l		
						SS / I.D / 9-12 / 6 / m		
						SS / I.D / 9-12 / 6 / n		
						SS / I.D / 9-12 / 7 / c		
						SS / I.D / 9-12 / 7 / d		
						SS / I.D / 9-12 / 7 / f		
						SS / I.D / 9-12 / 7 / g		
						SS / I.D / 9-12 / 7 / h		
						SS / I.D / 9-12 / 7 / i		
						SS / I.D / 9-12 / 7 / j		

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / I.D / 9-12 / 7 / k		
						SS / I.D / 9-12 / 7 / l		
						SS / I.D / 9-12 / 7 / m		
						SS / I.D / 9-12 / 7 / n		
						SS / I.D / 9-12 / 8 / c		
						SS / I.D / 9-12 / 8 / d		
						SS / I.D / 9-12 / 8 / f		
						SS / I.D / 9-12 / 8 / g		
						SS / I.D / 9-12 / 8 / h		
						SS / I.D / 9-12 / 8 / i		
						SS / I.D / 9-12 / 8 / j		
						SS / I.D / 9-12 / 8 / k		
						SS / I.D / 9-12 / 8 / l		
						SS / I.D / 9-12 / 8 / m		
						SS / I.D / 9-12 / 8 / n		
						SS / II.D / 9-12 / 1 / *		
						SS / II.D / 9-12 / 2 / *		
						SS / II.D / 9-12 / 3 / *		
						SS / II.D / 9-12 / 4 / *		
						SS / II.D / 9-12 / 5 / *		
						SS / II.D / 9-12 / 6 / *		
						SS / II.D / 9-12 / 7 / *		
						SS / II.D / 9-12 / 8 / *		
						SS / II.D / 9-12 / 9 / *		
						SS / III.D / 9-12 / 1 / *		
						SS / III.D / 9-12 / 2 / *		
						SS / III.D / 9-12 / 3 / *		
						SS / III.D / 9-12 / 4 / *		
						SS / III.D / 9-12 / 5 / *		
						SS / III.D / 9-12 / 6 / *		
						SS / III.D / 9-12 / 7 / *		
						SS / IV.D / 9-12 / 1 / *		
						SS / IV.D / 9-12 / 2 / *		
						SS / IV.D / 9-12 / 3 / *		
						SS / IV.D / 9-12 / 4 / *		

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
L.2	CA.3 SS.4 SS.6 SS.7	1.3 3.1 3.2 3.3 3.4 3.5 3.6 3.7		CA / IV.. / 9-12 / 1 / * CA / IV.. / 9-12 / 2 / * CA / IV.. / 9-12 / 3 / *		SS / I.D / 9-12 / 1 / m SS / I.D / 9-12 / 8 / m SS / II.D / 9-12 / 1 / n SS / II.D / 9-12 / 2 / n SS / II.D / 9-12 / 3 / n SS / II.D / 9-12 / 4 / n SS / II.D / 9-12 / 5 / n SS / II.D / 9-12 / 6 / n SS / II.D / 9-12 / 7 / n SS / II.D / 9-12 / 8 / n SS / II.D / 9-12 / 9 / n SS / III.D / 9-12 / 1 / k SS / III.D / 9-12 / 2 / k SS / III.D / 9-12 / 3 / k SS / III.D / 9-12 / 4 / k SS / III.D / 9-12 / 5 / k SS / III.D / 9-12 / 6 / k SS / III.D / 9-12 / 7 / k SS / IV.D / 9-12 / 1 / m SS / IV.D / 9-12 / 2 / m SS / IV.D / 9-12 / 3 / m SS / IV.D / 9-12 / 4 / m		
L.3	CA.3 SS.4	1.3 3.1 3.2 3.3 3.4 3.5 3.6 3.7		CA / IV.. / 9-12 / 1 / * CA / IV.. / 9-12 / 2 / * CA / IV.. / 9-12 / 3 / *		SS / I.D / 9-12 / 1 / * SS / I.D / 9-12 / 2 / * SS / I.D / 9-12 / 3 / * SS / I.D / 9-12 / 4 / * SS / I.D / 9-12 / 5 / * SS / I.D / 9-12 / 6 / * SS / I.D / 9-12 / 7 / * SS / I.D / 9-12 / 8 / * SS / II.D / 9-12 / 1 / a SS / II.D / 9-12 / 1 / b SS / II.D / 9-12 / 1 / c SS / II.D / 9-12 / 1 / d SS / II.D / 9-12 / 1 / e		

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / II.D / 9-12 / 1 / f		
						SS / II.D / 9-12 / 1 / g		
						SS / II.D / 9-12 / 1 / h		
						SS / II.D / 9-12 / 1 / i		
						SS / II.D / 9-12 / 1 / j		
						SS / II.D / 9-12 / 1 / k		
						SS / II.D / 9-12 / 1 / l		
						SS / II.D / 9-12 / 1 / m		
						SS / II.D / 9-12 / 2 / a		
						SS / II.D / 9-12 / 2 / b		
						SS / II.D / 9-12 / 2 / c		
						SS / II.D / 9-12 / 2 / d		
						SS / II.D / 9-12 / 2 / e		
						SS / II.D / 9-12 / 2 / f		
						SS / II.D / 9-12 / 2 / g		
						SS / II.D / 9-12 / 2 / h		
						SS / II.D / 9-12 / 2 / i		
						SS / II.D / 9-12 / 2 / j		
						SS / II.D / 9-12 / 2 / k		
						SS / II.D / 9-12 / 2 / l		
						SS / II.D / 9-12 / 2 / m		
						SS / II.D / 9-12 / 3 / a		
						SS / II.D / 9-12 / 3 / b		
						SS / II.D / 9-12 / 3 / c		
						SS / II.D / 9-12 / 3 / d		
						SS / II.D / 9-12 / 3 / e		
						SS / II.D / 9-12 / 3 / f		
						SS / II.D / 9-12 / 3 / g		
						SS / II.D / 9-12 / 3 / h		
						SS / II.D / 9-12 / 3 / i		
						SS / II.D / 9-12 / 3 / j		
						SS / II.D / 9-12 / 3 / k		
						SS / II.D / 9-12 / 3 / l		
						SS / II.D / 9-12 / 3 / m		
						SS / II.D / 9-12 / 4 / a		

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / II.D / 9-12 / 4 / b		
						SS / II.D / 9-12 / 4 / c		
						SS / II.D / 9-12 / 4 / d		
						SS / II.D / 9-12 / 4 / e		
						SS / II.D / 9-12 / 4 / f		
						SS / II.D / 9-12 / 4 / g		
						SS / II.D / 9-12 / 4 / h		
						SS / II.D / 9-12 / 4 / i		
						SS / II.D / 9-12 / 4 / j		
						SS / II.D / 9-12 / 4 / k		
						SS / II.D / 9-12 / 4 / l		
						SS / II.D / 9-12 / 4 / m		
						SS / II.D / 9-12 / 5 / a		
						SS / II.D / 9-12 / 5 / b		
						SS / II.D / 9-12 / 5 / c		
						SS / II.D / 9-12 / 5 / d		
						SS / II.D / 9-12 / 5 / e		
						SS / II.D / 9-12 / 5 / f		
						SS / II.D / 9-12 / 5 / g		
						SS / II.D / 9-12 / 5 / h		
						SS / II.D / 9-12 / 5 / i		
						SS / II.D / 9-12 / 5 / j		
						SS / II.D / 9-12 / 5 / k		
						SS / II.D / 9-12 / 5 / l		
						SS / II.D / 9-12 / 5 / m		
						SS / II.D / 9-12 / 6 / a		
						SS / II.D / 9-12 / 6 / b		
						SS / II.D / 9-12 / 6 / c		
						SS / II.D / 9-12 / 6 / d		
						SS / II.D / 9-12 / 6 / e		
						SS / II.D / 9-12 / 6 / f		
						SS / II.D / 9-12 / 6 / g		
						SS / II.D / 9-12 / 6 / h		
						SS / II.D / 9-12 / 6 / i		
						SS / II.D / 9-12 / 6 / j		

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / II.D / 9-12 / 6 / k		
						SS / II.D / 9-12 / 6 / l		
						SS / II.D / 9-12 / 6 / m		
						SS / II.D / 9-12 / 7 / a		
						SS / II.D / 9-12 / 7 / b		
						SS / II.D / 9-12 / 7 / c		
						SS / II.D / 9-12 / 7 / d		
						SS / II.D / 9-12 / 7 / e		
						SS / II.D / 9-12 / 7 / f		
						SS / II.D / 9-12 / 7 / g		
						SS / II.D / 9-12 / 7 / h		
						SS / II.D / 9-12 / 7 / i		
						SS / II.D / 9-12 / 7 / j		
						SS / II.D / 9-12 / 7 / k		
						SS / II.D / 9-12 / 7 / l		
						SS / II.D / 9-12 / 7 / m		
						SS / II.D / 9-12 / 8 / a		
						SS / II.D / 9-12 / 8 / b		
						SS / II.D / 9-12 / 8 / c		
						SS / II.D / 9-12 / 8 / d		
						SS / II.D / 9-12 / 8 / e		
						SS / II.D / 9-12 / 8 / f		
						SS / II.D / 9-12 / 8 / g		
						SS / II.D / 9-12 / 8 / h		
						SS / II.D / 9-12 / 8 / i		
						SS / II.D / 9-12 / 8 / j		
						SS / II.D / 9-12 / 8 / k		
						SS / II.D / 9-12 / 8 / l		
						SS / II.D / 9-12 / 8 / m		
						SS / II.D / 9-12 / 9 / a		
						SS / II.D / 9-12 / 9 / b		
						SS / II.D / 9-12 / 9 / c		
						SS / II.D / 9-12 / 9 / d		
						SS / II.D / 9-12 / 9 / e		
						SS / II.D / 9-12 / 9 / f		

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / II.D / 9-12 / 9 / g		
						SS / II.D / 9-12 / 9 / h		
						SS / II.D / 9-12 / 9 / i		
						SS / II.D / 9-12 / 9 / j		
						SS / II.D / 9-12 / 9 / k		
						SS / II.D / 9-12 / 9 / l		
						SS / II.D / 9-12 / 9 / m		
						SS / III.D / 9-12 / 1 / b		
						SS / III.D / 9-12 / 1 / c		
						SS / III.D / 9-12 / 1 / d		
						SS / III.D / 9-12 / 1 / e		
						SS / III.D / 9-12 / 1 / f		
						SS / III.D / 9-12 / 1 / h		
						SS / III.D / 9-12 / 1 / i		
						SS / III.D / 9-12 / 1 / j		
						SS / III.D / 9-12 / 1 / k		
						SS / III.D / 9-12 / 1 / l		
						SS / III.D / 9-12 / 2 / b		
						SS / III.D / 9-12 / 2 / c		
						SS / III.D / 9-12 / 2 / d		
						SS / III.D / 9-12 / 2 / e		
						SS / III.D / 9-12 / 2 / f		
						SS / III.D / 9-12 / 2 / h		
						SS / III.D / 9-12 / 2 / i		
						SS / III.D / 9-12 / 2 / j		
						SS / III.D / 9-12 / 2 / k		
						SS / III.D / 9-12 / 2 / l		
						SS / III.D / 9-12 / 3 / b		
						SS / III.D / 9-12 / 3 / c		
						SS / III.D / 9-12 / 3 / d		
						SS / III.D / 9-12 / 3 / e		
						SS / III.D / 9-12 / 3 / f		
						SS / III.D / 9-12 / 3 / h		
						SS / III.D / 9-12 / 3 / i		
						SS / III.D / 9-12 / 3 / j		

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / III.D / 9-12 / 3 / k		
						SS / III.D / 9-12 / 3 / l		
						SS / III.D / 9-12 / 4 / b		
						SS / III.D / 9-12 / 4 / c		
						SS / III.D / 9-12 / 4 / d		
						SS / III.D / 9-12 / 4 / e		
						SS / III.D / 9-12 / 4 / f		
						SS / III.D / 9-12 / 4 / h		
						SS / III.D / 9-12 / 4 / i		
						SS / III.D / 9-12 / 4 / j		
						SS / III.D / 9-12 / 4 / k		
						SS / III.D / 9-12 / 4 / l		
						SS / III.D / 9-12 / 5 / b		
						SS / III.D / 9-12 / 5 / c		
						SS / III.D / 9-12 / 5 / d		
						SS / III.D / 9-12 / 5 / e		
						SS / III.D / 9-12 / 5 / f		
						SS / III.D / 9-12 / 5 / h		
						SS / III.D / 9-12 / 5 / i		
						SS / III.D / 9-12 / 5 / j		
						SS / III.D / 9-12 / 5 / k		
						SS / III.D / 9-12 / 5 / l		
						SS / III.D / 9-12 / 6 / b		
						SS / III.D / 9-12 / 6 / c		
						SS / III.D / 9-12 / 6 / d		
						SS / III.D / 9-12 / 6 / e		
						SS / III.D / 9-12 / 6 / f		
						SS / III.D / 9-12 / 6 / h		
						SS / III.D / 9-12 / 6 / i		
						SS / III.D / 9-12 / 6 / j		
						SS / III.D / 9-12 / 6 / k		
						SS / III.D / 9-12 / 6 / l		
						SS / III.D / 9-12 / 7 / b		
						SS / III.D / 9-12 / 7 / c		
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / III.D / 9-12 / 7 / e		
						SS / III.D / 9-12 / 7 / f		
						SS / III.D / 9-12 / 7 / h		
						SS / III.D / 9-12 / 7 / i		
						SS / III.D / 9-12 / 7 / j		
						SS / III.D / 9-12 / 7 / k		
						SS / III.D / 9-12 / 7 / l		
						SS / IV.D / 9-12 / 1 / b		
						SS / IV.D / 9-12 / 1 / c		
						SS / IV.D / 9-12 / 1 / d		
						SS / IV.D / 9-12 / 1 / e		
						SS / IV.D / 9-12 / 1 / f		
						SS / IV.D / 9-12 / 1 / h		
						SS / IV.D / 9-12 / 1 / i		
						SS / IV.D / 9-12 / 1 / j		
						SS / IV.D / 9-12 / 1 / k		
						SS / IV.D / 9-12 / 1 / l		
						SS / IV.D / 9-12 / 2 / b		
						SS / IV.D / 9-12 / 2 / c		
						SS / IV.D / 9-12 / 2 / d		
						SS / IV.D / 9-12 / 2 / e		
						SS / IV.D / 9-12 / 2 / f		
						SS / IV.D / 9-12 / 2 / h		
						SS / IV.D / 9-12 / 2 / i		
						SS / IV.D / 9-12 / 2 / j		
						SS / IV.D / 9-12 / 2 / k		
						SS / IV.D / 9-12 / 2 / l		
						SS / IV.D / 9-12 / 3 / b		
						SS / IV.D / 9-12 / 3 / c		
						SS / IV.D / 9-12 / 3 / d		
						SS / IV.D / 9-12 / 3 / e		
						SS / IV.D / 9-12 / 3 / f		
						SS / IV.D / 9-12 / 3 / h		
						SS / IV.D / 9-12 / 3 / i		
						SS / IV.D / 9-12 / 3 / j		

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / IV.D / 9-12 / 3 / k SS / IV.D / 9-12 / 3 / l SS / IV.D / 9-12 / 4 / b SS / IV.D / 9-12 / 4 / c SS / IV.D / 9-12 / 4 / d SS / IV.D / 9-12 / 4 / e SS / IV.D / 9-12 / 4 / f SS / IV.D / 9-12 / 4 / h SS / IV.D / 9-12 / 4 / i SS / IV.D / 9-12 / 4 / j SS / IV.D / 9-12 / 4 / k SS / IV.D / 9-12 / 4 / l		
L.4	CA.3 SS.4	1.3 3.1 3.2 3.3 3.4 3.5 3.6 3.7		CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
L.5	CA.3 SS.4	1.3 3.1 3.2 3.3 3.4 3.5 3.6 3.7		CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
L.6	CA.3 SS.4	1.3 3.1 3.2 3.3 3.4 3.5 3.6	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				

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Agricultural Science I

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
L.7	CA.3	1.3				SS / I.D / 9-12 / 1 / c		
	SS.4	3.1				SS / I.D / 9-12 / 1 / d		
		3.2				SS / I.D / 9-12 / 1 / f		
		3.3				SS / I.D / 9-12 / 1 / g		
		3.4				SS / I.D / 9-12 / 1 / h		
		3.5				SS / I.D / 9-12 / 1 / i		
		3.6				SS / I.D / 9-12 / 1 / j		
		3.7				SS / I.D / 9-12 / 1 / k		
						SS / I.D / 9-12 / 1 / l		
						SS / I.D / 9-12 / 1 / m		
						SS / I.D / 9-12 / 1 / n		
						SS / I.D / 9-12 / 2 / c		
						SS / I.D / 9-12 / 2 / d		
						SS / I.D / 9-12 / 2 / f		
						SS / I.D / 9-12 / 2 / g		
						SS / I.D / 9-12 / 2 / h		
						SS / I.D / 9-12 / 2 / i		
						SS / I.D / 9-12 / 2 / j		
						SS / I.D / 9-12 / 2 / k		
						SS / I.D / 9-12 / 2 / l		
						SS / I.D / 9-12 / 2 / m		
						SS / I.D / 9-12 / 2 / n		
						SS / I.D / 9-12 / 3 / c		
						SS / I.D / 9-12 / 3 / d		
						SS / I.D / 9-12 / 3 / f		
						SS / I.D / 9-12 / 3 / g		
						SS / I.D / 9-12 / 3 / h		
						SS / I.D / 9-12 / 3 / i		
						SS / I.D / 9-12 / 3 / j		
						SS / I.D / 9-12 / 3 / k		
						SS / I.D / 9-12 / 3 / l		
						SS / I.D / 9-12 / 3 / m		
						SS / I.D / 9-12 / 3 / n		
						SS / I.D / 9-12 / 4 / c		

KEY:	
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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / I.D / 9-12 / 4 / d		
						SS / I.D / 9-12 / 4 / f		
						SS / I.D / 9-12 / 4 / g		
						SS / I.D / 9-12 / 4 / h		
						SS / I.D / 9-12 / 4 / i		
						SS / I.D / 9-12 / 4 / j		
						SS / I.D / 9-12 / 4 / k		
						SS / I.D / 9-12 / 4 / l		
						SS / I.D / 9-12 / 4 / m		
						SS / I.D / 9-12 / 4 / n		
						SS / I.D / 9-12 / 5 / c		
						SS / I.D / 9-12 / 5 / d		
						SS / I.D / 9-12 / 5 / f		
						SS / I.D / 9-12 / 5 / g		
						SS / I.D / 9-12 / 5 / h		
						SS / I.D / 9-12 / 5 / i		
						SS / I.D / 9-12 / 5 / j		
						SS / I.D / 9-12 / 5 / k		
						SS / I.D / 9-12 / 5 / l		
						SS / I.D / 9-12 / 5 / m		
						SS / I.D / 9-12 / 5 / n		
						SS / I.D / 9-12 / 6 / c		
						SS / I.D / 9-12 / 6 / d		
						SS / I.D / 9-12 / 6 / f		
						SS / I.D / 9-12 / 6 / g		
						SS / I.D / 9-12 / 6 / h		
						SS / I.D / 9-12 / 6 / i		
						SS / I.D / 9-12 / 6 / j		
						SS / I.D / 9-12 / 6 / k		
						SS / I.D / 9-12 / 6 / l		
						SS / I.D / 9-12 / 6 / m		
						SS / I.D / 9-12 / 6 / n		
						SS / I.D / 9-12 / 7 / c		
						SS / I.D / 9-12 / 7 / d		
						SS / I.D / 9-12 / 7 / f		

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Competency Profile Date: 1996

Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / I.D / 9-12 / 7 / g		
						SS / I.D / 9-12 / 7 / h		
						SS / I.D / 9-12 / 7 / i		
						SS / I.D / 9-12 / 7 / j		
						SS / I.D / 9-12 / 7 / k		
						SS / I.D / 9-12 / 7 / l		
						SS / I.D / 9-12 / 7 / m		
						SS / I.D / 9-12 / 7 / n		
						SS / I.D / 9-12 / 8 / c		
						SS / I.D / 9-12 / 8 / d		
						SS / I.D / 9-12 / 8 / f		
						SS / I.D / 9-12 / 8 / g		
						SS / I.D / 9-12 / 8 / h		
						SS / I.D / 9-12 / 8 / i		
						SS / I.D / 9-12 / 8 / j		
						SS / I.D / 9-12 / 8 / k		
						SS / I.D / 9-12 / 8 / l		
						SS / I.D / 9-12 / 8 / m		
						SS / I.D / 9-12 / 8 / n		
						SS / II.D / 9-12 / 1 / *		
						SS / II.D / 9-12 / 2 / *		
						SS / II.D / 9-12 / 3 / *		
						SS / II.D / 9-12 / 4 / *		
						SS / II.D / 9-12 / 5 / *		
						SS / II.D / 9-12 / 6 / *		
						SS / II.D / 9-12 / 7 / *		
						SS / II.D / 9-12 / 8 / *		
						SS / II.D / 9-12 / 9 / *		
						SS / III.D / 9-12 / 1 / *		
						SS / III.D / 9-12 / 2 / *		
						SS / III.D / 9-12 / 3 / *		
						SS / III.D / 9-12 / 4 / *		
						SS / III.D / 9-12 / 5 / *		
						SS / III.D / 9-12 / 6 / *		
						SS / III.D / 9-12 / 7 / *		

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / IV.D / 9-12 / 1 / * SS / IV.D / 9-12 / 2 / * SS / IV.D / 9-12 / 3 / * SS / IV.D / 9-12 / 4 / *		
M.1	CA.1 CA.3 CA.4 SC.3 SC.8 SS.5	1.1 1.2 1.3 1.4 1.6 1.8 2.1 3.1 3.5		CA / I.. / 9-12 / 2 / a CA / II.. / 9-12 / 6 / a	SC / II.A / 9-12 / 2 / a SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 3 / b		
M.2	SC.3	1.2 1.6 2.1			SC / VII.A / 9-12 / 4 / a			
M.3	CA.1 CA.3 CA.4 SC.3	1.2 1.6 1.8 2.1		CA / I.. / 9-12 / 2 / a CA / II.. / 9-12 / 6 / a	SC / VII.A / 9-12 / 4 / a			
M.4	CA.1 CA.3 CA.4 HP.6 MA.1 SC.3 SC.4 SC.5 SC.8	1.1 1.2 1.4 1.6 1.7 1.8 1.10 2.1 2.2 2.3 2.4 3.1 3.2 3.3	MA / I.. / 9-12 / 3 / c MA / V.. / 9-12 / 1 / a	CA / I.. / 9-12 / 2 / a CA / II.. / 9-12 / 6 / a	SC / II.A / 9-12 / 2 / a SC / VI.B / 9-12 / 1 / a SC / VII.A / 9-12 / 2 / a SC / VII.B / 9-12 / 2 / a SC / VIII.A / 9-12 / 2 / b SC / VIII.A / 9-12 / 3 / b		HP / II.C / 9-12 / 1 / *	

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6 3.8						
M.5	CA.1 CA.3 CA.4 MA.1 SC.3 SC.4 SC.8	1.1 1.2 1.6 1.8 1.10 2.1 2.6 3.1 3.2 3.3 3.5 3.8	MA / I.. / 9-12 / 4 / c MA / V.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a SC / VII.C / 9-12 / 2 / a SC / VIII.A / 9-12 / 2 / b			
M.6	CA.1 CA.3 CA.4 HP.5	1.2 1.6 1.8 1.10 2.1 3.2 4.3 4.7		CA / I.. / 9-12 / 98 / #			HP / III.D / 9-12 / 1 / a HP / III.D / 9-12 / 1 / b	
M.7	CA.1 CA.3 CA.4 SC.3 SC.4 SC.5 SC.8	1.1 1.2 1.6 1.8 2.1 3.1 3.2 3.5		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a SC / VI.B / 9-12 / 1 / a SC / VII.C / 9-12 / 2 / a SC / VIII.A / 9-12 / 3 / b			
N.1	HP.7 SC.8	1.6 2.5 3.1 3.2			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	

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Competency Profile Date: 1996

Agricultural Science I

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
N.2	HP.7	1.6			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
N.3	HP.7	1.6			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
N.4	HP.7	1.6			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
O.1	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
O.2	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
O.3	HP.6	1.3	MA / V.. / 9-12 / 1 / *		SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	MA.1	2.5	MA / V.. / 9-12 / 2 / *					
	SC.8	3.1	MA / V.. / 9-12 / 4 / *					
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
O.4	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3 3.4 3.5 3.6 3.7 3.8 4.7						
O.5	CA.3 HP.6 MA.1 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / * CA / IV.. / 9-12 / 2 / * CA / IV.. / 9-12 / 3 / *	SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
O.6	HP.6 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
O.7	HP.6 SC.8	1.3 2.5 3.1 3.2 3.3 3.4			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.5 3.6 3.7 3.8 4.7						
O.8	HP.6 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
P.1	HP.6 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
P.2	HP.6 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
		4.7						
P.3	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
P.4	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Q.1	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
Q.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	HP.6	2.5		CA / IV.. / 9-12 / 2 / *				
	MA.1	3.1		CA / IV.. / 9-12 / 3 / *				
	SC.8	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Q.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	HP.6	2.5						
	MA.1	3.1						
	SC.8	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Q.4	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

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Agricultural Science I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
Q.5	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Q.6	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Q.7	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
R.1	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
S.1	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / IV.. / 9-12 / 1 / '	SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	HP.6	2.5		CA / IV.. / 9-12 / 2 / '				
	MA.1	3.1		CA / IV.. / 9-12 / 3 / '				
	SC.8	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
S.2	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
S.3	HP.6	1.3			SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	2.5						
		3.1						
		3.2						

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3 3.4 3.5 3.6 3.7 3.8 4.7						

302

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
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303

NOTES: The code in parentheses is the competency identification number used in computerized management systems. This is a continuation of Agricultural Science I.

Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
T.1	CA.3	1.3		CA / IV.. / 9-12 / 1 / *		SS / I.D / 9-12 / 1 / m		
	SS.4	3.1		CA / IV.. / 9-12 / 2 / *		SS / I.D / 9-12 / 8 / m		
	SS.6	3.2		CA / IV.. / 9-12 / 3 / *		SS / II.D / 9-12 / 1 / n		
	SS.7	3.3				SS / II.D / 9-12 / 2 / n		
		3.4				SS / II.D / 9-12 / 3 / n		
		3.5				SS / II.D / 9-12 / 4 / n		
		3.6				SS / II.D / 9-12 / 5 / n		
		3.7				SS / II.D / 9-12 / 6 / n		
						SS / II.D / 9-12 / 7 / n		
						SS / II.D / 9-12 / 8 / n		
						SS / II.D / 9-12 / 9 / n		
						SS / III.D / 9-12 / 1 / k		
						SS / III.D / 9-12 / 2 / k		
						SS / III.D / 9-12 / 3 / k		
						SS / III.D / 9-12 / 4 / k		
						SS / III.D / 9-12 / 5 / k		
						SS / III.D / 9-12 / 6 / k		
						SS / III.D / 9-12 / 7 / k		
						SS / IV.D / 9-12 / 1 / m		
						SS / IV.D / 9-12 / 2 / m		
						SS / IV.D / 9-12 / 3 / m		
						SS / IV.D / 9-12 / 4 / m		
T.2	CA.3	1.3		CA / I.. / 9-12 / 98 / #			HP / II.B / 9-12 / 1 / a	
	HP.2	2.5					HP / II.B / 9-12 / 2 / a	
		2.6					HP / II.B / 9-12 / 3 / a	
		3.1					HP / II.B / 9-12 / 4 / a	
		3.2					HP / II.B / 9-12 / 5 / a	
		3.3					HP / II.B / 9-12 / 6 / a	
		3.4					HP / II.B / 9-12 / 7 / a	
		3.5					HP / II.B / 9-12 / 8 / a	
		3.6						
		3.7						
		4.8						
T.3	CA.3	1.3						

KEY:		
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.2	2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.8						
T.4	CA.3	1.3						
	HP.2	2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.8						
T.5	CA.3	1.3						
	HP.2	2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.8						
U.1	CA.3	1.1		CA / IV.. / 9-12 / 1 / *				
		1.2		CA / IV.. / 9-12 / 2 / *				
		1.3		CA / IV.. / 9-12 / 3 / *				

KEY:
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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.4						
		1.7						
		1.8						
		2.5						
		3.4						
		3.7						
U.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / IV.. / 9-12 / 1 / '		SS / IV.D / 9-12 / 1 / f		
	MA.1	1.5	MA / V.. / 9-12 / 1 / '	CA / IV.. / 9-12 / 2 / '		SS / IV.D / 9-12 / 1 / g		
	MA.3	1.6	MA / V..:' 9-12 / 2 / '	CA / IV.. / 9-12 / 3 / '		SS / IV.D / 9-12 / 1 / h		
	SS.4	1.7	MA / V.. / 9-12 / 4 / '			SS / IV.D / 9-12 / 1 / j		
		1.8				SS / IV.D / 9-12 / 1 / k		
		2.5				SS / IV.D / 9-12 / 1 / l		
		3.1				SS / IV.D / 9-12 / 1 / n		
		3.2				SS / IV.D / 9-12 / 1 / o		
		3.3				SS / IV.D / 9-12 / 2 / f		
		3.4				SS / IV.D / 9-12 / 2 / g		
		3.5				SS / IV.D / 9-12 / 2 / h		
		3.6				SS / IV.D / 9-12 / 2 / j		
		3.7				SS / IV.D / 9-12 / 2 / k		
		3.8				SS / IV.D / 9-12 / 2 / l		
						SS / IV.D / 9-12 / 2 / n		
						SS / IV.D / 9-12 / 2 / o		
						SS / IV.D / 9-12 / 3 / f		
						SS / IV.D / 9-12 / 3 / g		
						SS / IV.D / 9-12 / 3 / h		
						SS / IV.D / 9-12 / 3 / j		
						SS / IV.D / 9-12 / 3 / k		
						SS / IV.D / 9-12 / 3 / l		
						SS / IV.D / 9-12 / 3 / n		
						SS / IV.D / 9-12 / 3 / o		
						SS / IV.D / 9-12 / 4 / f		
						SS / IV.D / 9-12 / 4 / g		
						SS / IV.D / 9-12 / 4 / h		
						SS / IV.D / 9-12 / 4 / j		
						SS / IV.D / 9-12 / 4 / k		

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Agricultural Science I Supplement

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / IV.D / 9-12 / 4 / l		
						SS / IV.D / 9-12 / 4 / n		
						SS / IV.D / 9-12 / 4 / o		
U.3	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		
	MA.1	1.5						
	MA.3	1.6						
	SS.4	1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
U.4	CA.3			CA / I.. / 9-12 / 98 / #		SS / I.D / 9-12 / 5 / *		
	SS.4							
U.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #		SS / IV.D / 9-12 / 1 / f		
	MA.1	1.5	MA / V.. / 9-12 / 1 / *			SS / IV.D / 9-12 / 1 / g		
	MA.3	1.6	MA / V.. / 9-12 / 2 / *			SS / IV.D / 9-12 / 1 / h		
	SS.4	1.7	MA / V.. / 9-12 / 4 / *			SS / IV.D / 9-12 / 1 / j		
		1.8				SS / IV.D / 9-12 / 1 / k		
		2.5				SS / IV.D / 9-12 / 1 / l		
		3.1				SS / IV.D / 9-12 / 1 / n		
		3.2				SS / IV.D / 9-12 / 1 / o		
		3.3				SS / IV.D / 9-12 / 2 / f		
		3.4				SS / IV.D / 9-12 / 2 / g		
		3.5				SS / IV.D / 9-12 / 2 / h		
		3.6				SS / IV.D / 9-12 / 2 / j		
		3.7				SS / IV.D / 9-12 / 2 / k		
		3.8				SS / IV.D / 9-12 / 2 / l		
						SS / IV.D / 9-12 / 2 / n		
						SS / IV.D / 9-12 / 2 / o		

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
						SS / IV.D / 9-12 / 3 / f		
						SS / IV.D / 9-12 / 3 / g		
						SS / IV.D / 9-12 / 3 / h		
						SS / IV.D / 9-12 / 3 / j		
						SS / IV.D / 9-12 / 3 / k		
						SS / IV.D / 9-12 / 3 / l		
						SS / IV.D / 9-12 / 3 / n		
						SS / IV.D / 9-12 / 3 / o		
						SS / IV.D / 9-12 / 4 / f		
						SS / IV.D / 9-12 / 4 / g		
						SS / IV.D / 9-12 / 4 / h		
						SS / IV.D / 9-12 / 4 / j		
						SS / IV.D / 9-12 / 4 / k		
						SS / IV.D / 9-12 / 4 / l		
						SS / IV.D / 9-12 / 4 / n		
						SS / IV.D / 9-12 / 4 / o		
V.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
V.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
V.3	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.7		CA / IV.. / 9-12 / 2 / *				
		1.10		CA / IV.. / 9-12 / 3 / *				
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
V.4	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
V.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *		SS / IV.D / 9-12 / 1 / f		

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.1	1.5	MA / V.. / 9-12 / 1 / '	CA / IV.. / 9-12 / 2 / '		SS / IV.D / 9-12 / 1 / g		
	MA.3	1.6	MA / V.. / 9-12 / 2 / '	CA / IV.. / 9-12 / 3 / '		SS / IV.D / 9-12 / 1 / h		
	SS.4	1.7	MA / V.. / 9-12 / 4 / '			SS / IV.D / 9-12 / 1 / j		
		1.8				SS / IV.D / 9-12 / 1 / k		
		2.5				SS / IV.D / 9-12 / 1 / l		
		3.1				SS / IV.D / 9-12 / 1 / n		
		3.2				SS / IV.D / 9-12 / 1 / o		
		3.3				SS / IV.D / 9-12 / 2 / f		
		3.4				SS / IV.D / 9-12 / 2 / g		
		3.5				SS / IV.D / 9-12 / 2 / h		
		3.6				SS / IV.D / 9-12 / 2 / j		
		3.7				SS / IV.D / 9-12 / 2 / k		
		3.8				SS / IV.D / 9-12 / 2 / l		
						SS / IV.D / 9-12 / 2 / n		
						SS / IV.D / 9-12 / 2 / o		
						SS / IV.D / 9-12 / 3 / f		
						SS / IV.D / 9-12 / 3 / g		
						SS / IV.D / 9-12 / 3 / h		
						SS / IV.D / 9-12 / 3 / j		
						SS / IV.D / 9-12 / 3 / k		
						SS / IV.D / 9-12 / 3 / l		
						SS / IV.D / 9-12 / 3 / n		
						SS / IV.D / 9-12 / 3 / o		
						SS / IV.D / 9-12 / 4 / f		
						SS / IV.D / 9-12 / 4 / g		
						SS / IV.D / 9-12 / 4 / h		
						SS / IV.D / 9-12 / 4 / j		
						SS / IV.D / 9-12 / 4 / k		
						SS / IV.D / 9-12 / 4 / l		
						SS / IV.D / 9-12 / 4 / n		
						SS / IV.D / 9-12 / 4 / o		
W.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
W.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
W.3	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
W.4	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.7 1.8 1.10 2.5 2.6 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7						
W.5	CA.3 HP.3 HP.6 MA.3 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / * CA / IV.. / 9-12 / 2 / * CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 1 / a SC / VIII.B / 9-12 / 2 / a SC / VIII.B / 9-12 / 2 / b SC / VIII.B / 9-12 / 2 / c		HP / II.D / 9-12 / 1 / a HP / III.A / 9-12 / 1 / a HP / III.A / 9-12 / 9 / b HP / III.A / 9-12 / 11 / a HP / III.A / 9-12 / 12 / a	
W.6	CA.3 HP.3 HP.6 MA.3 SC.8	1.3 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a SC / VIII.B / 9-12 / 2 / a SC / VIII.B / 9-12 / 2 / b SC / VIII.B / 9-12 / 2 / c		HP / II.D / 9-12 / 1 / a HP / III.A / 9-12 / 1 / a HP / III.A / 9-12 / 9 / b HP / III.A / 9-12 / 11 / a HP / III.A / 9-12 / 12 / a	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
X.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
X.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
X.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
X.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
X.5	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Y.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.7		CA / IV.. / 9-12 / 2 / *				
		1.10		CA / IV.. / 9-12 / 3 / *				
		2.5						
		3.1						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
Y.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.4					HP / III.A / 9-12 / 12 / a	
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Y.3	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.1	3.2						
	MA.3	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Y.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
Y.5	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Z.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / IV.. / 9-12 / 1 / '				
	MA.1	1.7		CA / IV.. / 9-12 / 2 / '				
		1.10		CA / IV.. / 9-12 / 3 / '				
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
Z.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / '		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / '		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / '		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Z.3	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
Z.4	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Z.5	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / IV.. / 9-12 / 1 / '	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5		CA / IV.. / 9-12 / 2 / '	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1		CA / IV.. / 9-12 / 3 / '	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
Z.6	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5						
	HP.6	3.1						
	MA.3	3.2						
	SC.8	3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / I	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2						
	MA.3	1.3						
		1.4						
		1.5						
		1.6						
		1.7						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.3	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / i	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2						
	MA.3	1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.4	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #		SS / III.C / 9-12 / 1 / i	HP / II.D / 9-12 / 1 / a	
	HP.6	1.2						
	MA.3	1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.5	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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Competency Profile Date: 1995

Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
zA.6	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.7	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5	MA / V.. / 9-12 / 1 / '					
	HP.6	3.1	MA / V.. / 9-12 / 2 / '					
	MA.1	3.2	MA / V.. / 9-12 / 4 / '					
	MA.3	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.8	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
zA.9	CA.3	1.3	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.3	2.5	MA / V.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *		SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zA.10	CA.3	1.3		CA / I.. / 9-12 / 98 / #		SS / I.D / 9-12 / 1 / m		
	SS.4	3.1				SS / I.D / 9-12 / 8 / m		
	SS.6	3.2				SS / II.D / 9-12 / 1 / n		
	SS.7	3.3				SS / II.D / 9-12 / 2 / n		
		3.4				SS / II.D / 9-12 / 3 / n		
		3.5				SS / II.D / 9-12 / 4 / n		
		3.6				SS / II.D / 9-12 / 5 / n		
		3.7				SS / II.D / 9-12 / 6 / n		
						SS / II.D / 9-12 / 7 / n		
						SS / II.D / 9-12 / 8 / n		
						SS / II.D / 9-12 / 9 / n		
						SS / III.D / 9-12 / 1 / k		
						SS / III.D / 9-12 / 2 / k		
						SS / III.D / 9-12 / 3 / k		
						SS / III.D / 9-12 / 4 / k		
						SS / III.D / 9-12 / 5 / k		
						SS / III.D / 9-12 / 6 / k		
						SS / III.D / 9-12 / 7 / k		
						SS / IV.D / 9-12 / 1 / m		
						SS / IV.D / 9-12 / 2 / m		
						SS / IV.D / 9-12 / 3 / m		
						SS / IV.D / 9-12 / 4 / m		
zB.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.7		CA / IV.. / 9-12 / 2 / *				
		1.10		CA / IV.. / 9-12 / 3 / *				

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
zB.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5		CA / IV.. / 9-12 / 2 / *	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1		CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zB.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *	SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1	MA / V.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *	SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.1	3.2	MA / V.. / 9-12 / 4 / *		SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	MA.3	3.3					HP / III.A / 9-12 / 12 / a	
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zB.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.7		CA / IV.. / 9-12 / 2 / *				
		1.10		CA / IV.. / 9-12 / 3 / *				
		2.5						

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Competency Profile Date: 1995

Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
zB.5	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zC.1	CA.3	1.2	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Competency Profile Date: 1995

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
zC.2	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a		HP / II.D / 9-12 / 1 / a	
	HP.3	2.5			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.6	3.1			SC / VIII.B / 9-12 / 2 / b		HP / III.A / 9-12 / 9 / b	
	MA.3	3.2			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
	SC.8	3.3					HP / III.A / 9-12 / 12 / a	
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zC.3	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	HP.3	2.5	MA / V.. / 9-12 / 1 / *					
	HP.6	3.1	MA / V.. / 9-12 / 2 / *					
	MA.1	3.2	MA / V.. / 9-12 / 4 / *					
	MA.3	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
zC.4	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
zC.5	HP.3	1.1			SC / VIII.B / 9-12 / 1 / a		HP / III.A / 9-12 / 1 / a	
	SC.8	1.2			SC / VIII.B / 9-12 / 2 / a		HP / III.A / 9-12 / 9 / b	
		1.3			SC / VIII.B / 9-12 / 2 / c		HP / III.A / 9-12 / 11 / a	
		1.4					HP / III.A / 9-12 / 12 / a	
		1.7						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 Rating.

Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3	1.2		CA / IV.. / 9-12 / 2 / d		SS / II.D / 9-12 / 2 / n		
	SS.4	4.8				SS / II.D / 9-12 / 3 / n		
	SS.6					SS / II.D / 9-12 / 4 / n		
	SS.7					SS / II.D / 9-12 / 5 / n		
A.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
A.3	CA.1	2.1		CA / II.. / 9-12 / 5 / a				
	CA.4	2.6		CA / II.. / 9-12 / 5 / b				
		4.8		CA / II.. / 9-12 / 6 / a				
				CA / II.. / 9-12 / 6 / b				
A.4	CA.1	4.3				SS / II.A / 9-12 / 99 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
A.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 99 / n	HP / I.B / 9-12 / 6 / a	
	HP.2	4.3				SS / II.A / 9-12 / 99 / o	HP / II.A / 9-12 / 5 / a	
	SS.6	4.4					HP / II.A / 9-12 / 5 / b	
B.1	SS.2	4.1				SS / IV.A / 5-8 / 7 / n		
	SS.3	4.2				SS / IV.A / 9-12 / 7 / n		
	SS.6							
	SS.7							
B.2	SS.2	4.1				SS / IV.A / 5-8 / 7 / n		
	SS.3	4.2				SS / IV.A / 9-12 / 7 / n		
	SS.6							
	SS.7							
B.3	SS.1	1.5				SS / I.A / 5-8 / 4 / c		
	SS.3	1.8				SS / I.A / 5-8 / 4 / d		
B.4	CA.1	2.1		CA / II.. / 9-12 / 3 / a				
	CA.4	2.2						
	CA.6	2.3						
	CA.7							
B.5	CA.1	2.1		CA / II.. / 9-12 / 3 / c				

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Competency Profile Date: 1995

Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.4	2.2		CA / II.. / 9-12 / 6 / a				
	CA.6	2.6						
	CA.7	2.7						
B.6	CA.1	2.6		CA / II.. / 9-12 / 3 / c		SS / I.A / 5-8 / 8 / I		
	CA.4	2.7				SS / I.A / 9-12 / 8 / I		
	CA.6	4.7						
	CA.7							
	SS.1							
	SS.3							
C.1	MA.1	1.4	MA / IV.. / 5-8 / 2 / d					
		1.8	MA / IV.. / 9-12 / 2 / d					
		4.1	MA / IV.. / 5-8 / 3 / d					
		4.4	MA / IV.. / 9-12 / 3 / d					
C.2	MA.1	1.4	MA / IV.. / 5-8 / 2 / d					
		1.8	MA / IV.. / 9-12 / 2 / d					
		4.1	MA / IV.. / 5-8 / 3 / d					
		4.4	MA / IV.. / 9-12 / 3 / d					
C.3	MA.1	1.4	MA / IV.. / 5-8 / 2 / d					
		1.8	MA / IV.. / 9-12 / 2 / d					
		4.1	MA / IV.. / 5-8 / 3 / d					
		4.4	MA / IV.. / 9-12 / 3 / d					
C.4	CA.3	1.3		CA / I.. / 9-12 / 2 / a				
	CA.4	1.4		CA / I.. / 9-12 / 2 / c				
		1.7						
C.5	CA.3	1.6		CA / I.. / 9-12 / 6 / c				
	CA.5	1.10						
	CA.7							
D.1	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 1 / a	SS / III.E / 9-12 / 3 / b		
	CA.3	1.4		CA / III.. / 9-12 / 1 / d	SC / VI.B / 9-12 / 1 / a	SS / III.E / 9-12 / 3 / d		
	SC.4	1.5			SC / VIII.A / 9-12 / 2 / a			
	SC.5	2.1			SC / VIII.A / 9-12 / 3 / a			
	SS.5							
	SS.7							

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
D.2	CA.1	1.2		CA / I.. / 9-12 / 2 / a	SC / VI.A / 9-12 / 1 / a			
	CA.3	1.6		CA / I.. / 9-12 / 2 / d				
	CA.4	1.7		CA / II.. / 9-12 / 6 / a				
	SC.5	2.1						
D.3	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 1 / a			
	CA.4	2.1						
	SC.5	3.5						
D.4	CA.1	1.2	MA / V.. / 9-12 / 1 / a	CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 1 / a			
	CA.4	1.6	MA / V.. / 9-12 / 1 / b					
	MA.1	2.1						
	SC.5	3.5						
D.5	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 1 / a			
	CA.4	2.1						
	SC.5							
D.6	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 1 / a			
	CA.4	1.4						
	FA.1	2.1						
	SC.5	2.5						
D.7	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / III.A / 9-12 / 1 / a			FA / IV.D / 9-12 / 6 / a
	CA.4	1.4			SC / III.A / 9-12 / 2 / a			FA / IV.D / 9-12 / 6 / b
	FA.1	1.5			SC / III.A / 9-12 / 2 / b			FA / IV.D / 9-12 / 6 / c
	SC.1	1.6			SC / III.C / 9-12 / 3 / a			
	SC.5	2.1						
		2.4						
		2.5						
		3.5						
D.8	SC.5	1.2			SC / IV.B / 9-12 / 1 / a			
D.9	SC.7	1.3			SC / I.B / 9-12 / 2 / a			
D.10	CA.1	1.2		CA / I.. / 9-12 / 2 / c	SC / II.A / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b	HP / III.D / 9-12 / 1 / a	
	CA.3	1.4		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 3 / a		HP / III.D / 9-12 / 2 / a	
	CA.4	1.6			SC / VIII.B / 9-12 / 1 / a			
	HP.6	2.1						
	SC.4	3.1						

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Competency Profile Date: 1995

Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.5	3.2						
	SC.8	3.5						
	SS.5	4.1						
		4.3						
D.11	CA.1	1.2		CA / I.. / 9-12 / 2 / c				
	CA.3	1.4		CA / II.. / 9-12 / 6 / a				
	CA.4	2.1						
D.12	CA.4	1.2	MA / VI.. / 9-12 / 3 / i	CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 3 / a	SS / III.E / 9-12 / 2 / a		
	MA.2	1.3			SC / VIII.A / 9-12 / 2 / b	SS / III.E / 9-12 / 2 / b		
	SC.4	1.4			SC / VIII.A / 9-12 / 3 / a	SS / III.E / 9-12 / 2 / c		
	SC.5	1.5			SC / VIII.A / 9-12 / 3 / b	SS / III.E / 9-12 / 2 / d		
	SS.5	1.6				SS / III.E / 9-12 / 2 / e		
	SS.7	1.8				SS / III.E / 9-12 / 2 / f		
		2.1				SS / III.E / 9-12 / 3 / h		
		2.3				SS / III.E / 9-12 / 3 / j		
		2.5				SS / III.E / 9-12 / 3 / k		
		2.6				SS / III.E / 9-12 / 3 / l		
		3.1				SS / III.E / 9-12 / 4 / b		
		3.2				SS / III.E / 9-12 / 4 / f		
		3.3				SS / III.E / 9-12 / 4 / n		
		3.7				SS / III.E / 9-12 / 5 / b		
		3.8				SS / III.E / 9-12 / 5 / f		
		4.1				SS / III.E / 9-12 / 5 / n		
D.13	CA.1	1.1		CA / I.. / 9-12 / 3 / '	SC / I.A / 9-12 / 3 / a	SS / II.D / 9-12 / 4 / f		
	CA.3	1.2		CA / II.. / 9-12 / 5 / a	SC / II.A / 9-12 / 2 / a	SS / III.E / 9-12 / 2 / a		
	CA.4	1.3		CA / II.. / 9-12 / 5 / b	SC / VI.B / 9-12 / 1 / a	SS / III.E / 9-12 / 2 / b		
	CA.6	1.4		CA / II.. / 9-12 / 5 / c	SC / VI.B / 9-12 / 2 / a	SS / III.E / 9-12 / 2 / c		
	SC.4	1.5		CA / II.. / 9-12 / 5 / d	SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 2 / d		
	SC.5	1.6		CA / II.. / 9-12 / 6 / a	SC / VIII.A / 9-12 / 2 / b	SS / III.E / 9-12 / 2 / e		
	SC.7	1.8			SC / VIII.A / 9-12 / 3 / a	SS / III.E / 9-12 / 2 / f		
	SC.8	1.10			SC / VIII.A / 9-12 / 3 / b	SS / IV.E / 9-12 / 2 / k		
	SS.4	2.1						
	SS.5	2.2						
		2.3						
		2.4						

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.5						
		3.8						
		4.1						
E.1	CA.4	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 2 / a	SS / II.D / 9-12 / 2 / d	HP / II.B / 9-12 / 1 / a	
	HP.2	1.6			SC / VI.B / 9-12 / 3 / a		HP / II.B / 9-12 / 3 / a	
	SC.5	1.10						
	SS.4	2.1						
		2.2						
		2.4						
		3.1						
		3.7						
E.2	CA.1	1.2		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a			
	CA.3	1.6		CA / I.. / 9-12 / 2 / b				
	CA.4	1.8		CA / I.. / 9-12 / 2 / c				
	SC.3	2.1		CA / II.. / 9-12 / 6 / a				
E.3	CA.1	1.2		CA / I.. / 9-12 / 2 / a	SC / VI.A / 9-12 / 2 / a			
	CA.3	1.4		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 3 / a			
	CA.4	1.6			SC / VI.B / 9-12 / 1 / a			
	SC.3	1.8			SC / VI.B / 9-12 / 3 / a			
	SC.5	1.10			SC / VII.A / 9-12 / 1 / a			
		2.1			SC / VII.A / 9-12 / 2 / a			
		2.2			SC / VII.B / 9-12 / 1 / a			
		2.3			SC / VII.B / 9-12 / 2 / a			
		2.7						
		3.1						
		3.2						
E.4	CA.1	1.1		CA / I.. / 9-12 / 2 / a	SC / VII.C / 9-12 / 2 / a			
	CA.3	1.2		CA / II.. / 9-12 / 6 / a	SC / VIII.A / 9-12 / 1 / a			
	CA.4	1.4						
	SC.3	1.6						
	SC.4	1.8						

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Agricultural Science II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.1						
		3.5						
E.5	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 2 / a			
	CA.3	1.6						
	CA.4	1.8						
	SC.3	2.1						
E.6	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.B / 9-12 / 1 / a			
	CA.3	1.6			SC / VII.B / 9-12 / 2 / a			
	CA.4	1.7			SC / VII.B / 9-12 / 3 / a			
	SC.3	1.8						
		1.10						
		2.1						
		2.2						
		2.7						
E.7	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.D / 9-12 / 4 / a			
	CA.3	1.3			SC / VII.D / 9-12 / 5 / a			
	CA.4	1.6						
	SC.3	1.7						
		1.8						
		1.10						
		2.1						
		3.5						
E.8	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.C / 9-12 / 1 / a			
	CA.3	1.5			SC / VII.C / 9-12 / 2 / a			
	CA.4	1.6			SC / VII.D / 9-12 / 1 / a			
	SC.3	1.7			SC / VII.D / 9-12 / 2 / a			
		1.8			SC / VII.D / 9-12 / 3 / a			
		1.10						
		2.1						
		2.2						
		3.3						
		3.5						
		4.1						
F.1	CA.4	1.2		CA / II.. / 9-12 / 6 / a	SC / VI.A / 9-12 / 2 / a	SS / II.D / 9-12 / 2 / d	HP / II.B / 9-12 / 1 / a	

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Competency Profile Date: 1995

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.2	1.6			SC / VI.B / 9-12 / 3 / a		HP / II.B / 9-12 / 3 / a	
	SC.5	1.10						
	SS.4	2.1						
		2.2						
		2.4						
		3.1						
		3.7						
F.2	CA.1	1.2		CA / I.. / 9-12 / 2 / a		SS / II.D / 9-12 / 2 / b	HP / II.B / 9-12 / 1 / a	
	CA.3	1.3		CA / II.. / 9-12 / 6 / a		SS / II.D / 9-12 / 5 / b	HP / II.B / 9-12 / 4 / a	
	CA.4	1.4				SS / III.D / 9-12 / 1 / c		
	HP.2	1.6						
	HP.6	1.8						
	SS.4	1.10						
		2.1						
		4.7						
F.3	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a			
	CA.3	1.6						
	CA.4	1.7						
	SC.3	1.8						
		2.1						
F.4								
F.5	CA.1	1.2	MA / V.. / 9-12 / 1 / c	CA / I.. / 9-12 / 2 / a	SC / VIII.B / 9-12 / 1 / a			
	CA.3	1.4		CA / II.. / 9-12 / 6 / a				
	CA.4	1.6						
	MA.1	1.8						
	SC.5	2.1						
		3.4						
		3.5						
F.6	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	1.8						
		2.1						
F.7 '	CA.1	1.2	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 98 / #				

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Competency Profile Date: 1995

Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.3	1.6	MA / I.. / 9-12 / 4 / c					
	CA.4	1.8						
	MA.1	2.1						
		3.1						
		3.2						
		3.3						
		3.5						
F.8	CA.1	1.2	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 98 / #				
	CA.3	1.6	MA / I.. / 9-12 / 4 / c					
	CA.4	1.8						
	MA.1	2.1						
		3.1						
		3.2						
		3.3						
		3.5						
F.9	CA.1	1.1	MA / I.. / 9-12 / 3 / c	CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a		HP / II.C / 9-12 / 1 / '	
	CA.3	1.2	MA / V.. / 9-12 / 1 / a		SC / VI.B / 9-12 / 1 / a			
	CA.4	1.4			SC / VII.A / 9-12 / 2 / a			
	HP.6	1.6			SC / VII.B / 9-12 / 2 / a			
	MA.1	1.7			SC / VIII.A / 9-12 / 2 / b			
	SC.3	1.8			SC / VIII.A / 9-12 / 3 / b			
	SC.4	1.10						
	SC.5	2.1						
	SC.8	2.2						
		2.3						
		2.4						
		3.1						
		3.2						
		3.3						
		3.6						
		3.8						
G.1	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b		
	CA.3	1.2			SC / VIII.A / 9-12 / 1 / a			
	CA.4	1.3						
	SC.3	1.4						

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8 SS.5	1.6 1.8 2.1 3.1 3.5						
G.2	SC.3	1.2 1.6 2.1			SC / VII.A / 9-12 / 4 / a			
G.3	CA.1 CA.3 CA.4 SC.3	1.2 1.6 1.8 2.1		CA / I.. / 9-12 / 2 / a CA / II.. / 9-12 / 6 / a	SC / VII.A / 9-12 / 4 / a			
G.4	CA.1 CA.3 CA.4 HP.6 MA.1 SC.3 SC.4 SC.5 SC.8	1.1 1.2 1.4 1.6 1.7 1.8 1.10 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.6 3.8	MA / I.. / 9-12 / 3 / c MA / V.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a SC / VI.B / 9-12 / 1 / a SC / VII.A / 9-12 / 2 / a SC / VII.B / 9-12 / 2 / a SC / VIII.A / 9-12 / 2 / b SC / VIII.A / 9-12 / 3 / b		HP / II.C / 9-12 / 1 / *	
G.5	CA.1 CA.3 CA.4 MA.1 SC.3 SC.4	1.1 1.2 1.6 1.8 1.10 2.1	MA / I.. / 9-12 / 4 / c MA / V.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a SC / VII.C / 9-12 / 2 / a SC / VIII.A / 9-12 / 2 / b			

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	2.6 3.1 3.2 3.3 3.5 3.8						
G.6	CA.1 CA.3 CA.4 HP.5	1.2 1.6 1.8 1.10 2.1 3.2 4.3 4.7		CA / I.. / 9-12 / 98 / #			HP / II.D / 9-12 / 1 / *	
G.7	CA.1 CA.3 CA.4 SC.3 SC.4 SC.5 SC.8	1.1 1.2 1.6 1.8 2.1 3.1 3.2 3.5		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a SC / VI.B / 9-12 / 1 / a SC / VII.C / 9-12 / 2 / a SC / VIII.A / 9-12 / 3 / b			
H.1	CA.1 CA.3 CA.4 HP.2 HP.6 SS.4	1.2 1.3 1.4 1.6 1.8 1.10 2.1 4.7		CA / I.. / 9-12 / 98 / #		SS / II.D / 9-12 / 2 / b SS / II.D / 9-12 / 5 / b SS / III.D / 9-12 / 1 / c	HP / II.B / 9-12 / 1 / a HP / II.B / 9-12 / 4 / a	
H.2	SC.3 SC.4 SS.5	1.2 1.4 1.5 1.6			SC / VI.A / 9-12 / 1 / a SC / VI.B / 9-12 / 4 / a SC / VII.D / 9-12 / 2 / a	SS / III.E / 9-12 / 3 / b SS / III.E / 9-12 / 5 / f		

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.10						
		3.3						
H.3	CA.1	1.2	MA / V.. / 9-12 / 1 / c	CA / I.. / 9-12 / 2 / a	SC / VIII.B / 9-12 / 1 / a			
	CA.3	1.4		CA / II.. / 9-12 / 6 / a				
	CA.4	1.6						
	MA.1	1.8						
	SC.5	2.1						
		3.4						
		3.5						
H.4	CA.1	1.1	MA / I.. / 9-12 / 3 / c	CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a		HP / II.C / 9-12 / 1 / *	
	CA.3	1.2	MA / V.. / 9-12 / 1 / a		SC / VI.B / 9-12 / 1 / a			
	CA.4	1.4			SC / VII.A / 9-12 / 2 / a			
	HP.6	1.6			SC / VII.B / 9-12 / 2 / a			
	MA.1	1.7			SC / VIII.A / 9-12 / 2 / b			
	SC.3	1.8			SC / VIII.A / 9-12 / 3 / b			
	SC.4	1.10						
	SC.5	2.1						
	SC.8	2.2						
		2.3						
		2.4						
		3.1						
		3.2						
		3.3						
		3.6						
		3.8						
H.5	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / II.C / 9-12 / 1 / *	
	CA.3	1.2						
	CA.4	1.4						
	HP.6	1.6						
	MA.1	1.7						
	SC.3	1.8						
	SC.4	1.10						
	SC.5	2.1						
	SC.8	2.2						
		2.3						

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Agricultural Science II

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.4						
		3.1						
		3.2						
		3.3						
		3.6						
		3.8						
H.6	CA.1	1.2	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 2 / a				
	CA.3	1.6	MA / I.. / 9-12 / 4 / c	CA / II.. / 9-12 / 6 / a				
	CA.4	1.8						
	MA.1	2.1						
		3.1						
		3.2						
		3.3						
		3.5						
I.1	CA.1	1.2	MA / V.. / 9-12 / 1 / c	CA / I.. / 9-12 / 2 / a	SC / VIII.B / 9-12 / 1 / a			
	CA.3	1.4		CA / II.. / 9-12 / 6 / a				
	CA.4	1.6						
	MA.1	1.8						
	SC.5	2.1						
		3.4						
		3.5						
I.2	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.A / 9-12 / 2 / a			
	CA.3	1.4			SC / VI.A / 9-12 / 3 / a			
	CA.4	1.6			SC / VI.B / 9-12 / 1 / a			
	SC.3	1.8			SC / VI.B / 9-12 / 3 / a			
	SC.5	1.10			SC / VII.A / 9-12 / 1 / a			
		2.1			SC / VII.A / 9-12 / 2 / a			
		2.2			SC / VII.B / 9-12 / 1 / a			
		2.3			SC / VII.B / 9-12 / 2 / a			
		2.7						
		3.1						
		3.2						
I.3	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			

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Agricultural Science II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.4	1.6						
	SC.5	2.1						
I.4	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.5	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.6	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.7	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.8	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.9	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.10	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VI.B / 9-12 / 1 / a			
	CA.3	1.4			SC / VI.B / 9-12 / 4 / a			
	CA.4	1.6						
	SC.5	2.1						
I.11	FA.1	1.2	MA / V.. / 9-12 / 1 / c			SS / III.D / 9-12 / 1 / g		
	MA.1	1.3				SS / III.D / 9-12 / 2 / b		
	SS.4	1.5						

KEY:	
' = may use all "to do" statements	# = same Frameworks as previous competency
98 = same Frameworks as previous competency	99 = "to know" statements may not be applicable

Competency Profile Date: 1995

Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.6						
		1.10						
		3.3						
		4.1						
J.1	CA.1	1.2	MA / I.. / 9-12 / 4 / e	CA / I.. / 9-12 / 2 / b	SC / I.A / 9-12 / 4 / a	SS / IV.D / 9-12 / 1 / e		
	MA.1	1.4						
	SC.7	1.5						
	SS.5	1.8						
		1.10						
		2.2						
		3.4						
		3.6						
K.1	CA.1	1.2		CA / I.. / 9-12 / 2 / a		SS / II.D / 9-12 / 2 / h		
	CA.3	1.6		CA / II.. / 9-12 / 6 / a		SS / II.D / 9-12 / 3 / h		
	CA.4	1.8				SS / II.D / 9-12 / 4 / h		
	SS.6	2.1				SS / II.D / 9-12 / 5 / h		
	SS.7	4.8						
K.2	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a			
	CA.3	1.6						
	CA.4	1.8						
	SC.3	2.1						
K.3	CA.1	1.2		CA / II.. / 9-12 / 6 / a	SC / VIII.B / 9-12 / 2 / a			
	CA.4	1.6						
	SC.4	2.1						
		2.3						
		3.5						
		4.1						
K.4	CA.1	1.2	MA / I.. / 9-12 / 4 / e	CA / I.. / 9-12 / 2 / b	SC / I.A / 9-12 / 4 / a	SS / IV.D / 9-12 / 1 / e		
	MA.1	1.4						
	SC.7	1.5						
	SS.5	1.8						
		1.10						
		2.2						
		3.4						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
K.5	MA.1	1.6	MA / IV.. / 9-12 / 3 / c					
	MA.2	1.8	MA / VI.. / 9-12 / 3 / l					
		1.10						
		2.5						
		3.3						
		4.1						
K.6	CA.1	1.2		CA / I.. / 9-12 / 2 / a	SC / VIII.B / 9-12 / 2 / a			
	CA.3	1.4		CA / II.. / 9-12 / 6 / a	SC / VIII.B / 9-12 / 2 / b			
	CA.4	1.6			SC / VIII.B / 9-12 / 2 / c			
	SC.4	1.8						
		2.1						
		3.5						
		4.8						
K.7	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 2 / b	SS / III.D / 9-12 / 1 / g		
	CA.3	1.4						
	CA.4	1.6						
	SC.3	1.8						
	SS.4	1.10						
		2.1						
		2.2						
		3.5						
K.8	CA.1	1.2		CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 2 / b	SS / III.D / 9-12 / 1 / g		
	CA.3	1.4						
	CA.4	1.6						
	SC.3	1.8						
	SS.4	1.10						
		2.1						
		2.2						
		3.5						
L.1	HP.6	1.3						
	SC.8	2.5						
		3.1						
		3.2						

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
L 2	CA 3	1.1	MA / I.. / 9-12 / 4 / *	CA / I.. / 9-12 / 1 / *	SC / III.A / 9-12 / 2 / a			
	MA 1	1.2	MA / II.. / 9-12 / 1 / *	CA / I.. / 9-12 / 2 / *	SC / III.A / 9-12 / 2 / b			
	SC 1	1.4	MA / II.. / 9-12 / 4 / *	CA / I.. / 9-12 / 3 / *	SC / III.B / 9-12 / 1 / a			
	SC 8	1.7	MA / III.. / 9-12 / 2 / *	CA / I.. / 9-12 / 6 / a	SC / III.C / 9-12 / 1 / a			
		1.8	MA / III.. / 9-12 / 3 / *	CA / I.. / 9-12 / 6 / b	SC / III.C / 9-12 / 2 / a			
		1.10	MA / III.. / 9-12 / 4 / *	CA / I.. / 9-12 / 6 / d	SC / III.C / 9-12 / 3 / a			
		2.1	MA / III.. / 9-12 / 5 / *	CA / II.. / 9-12 / 5 / *	SC / III.C / 9-12 / 4 / a			
		2.3	MA / IV.. / 9-12 / 3 / *	CA / III.. / 9-12 / 1 / *				
		2.7		CA / III.. / 9-12 / 4 / *				
		3.1		CA / IV.. / 9-12 / 1 / *				
		3.2		CA / IV.. / 9-12 / 2 / *				
		3.3		CA / IV.. / 9-12 / 3 / *				
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
L 3	CA 3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / I.A / 9-12 / 4 / a		HP / III.D / 9-12 / 1 / a	
	HP 6	2.5		CA / IV.. / 9-12 / 2 / *				
	MA 1	3.1		CA / IV.. / 9-12 / 3 / *				
	SC 8	3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						

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KEY: * = may use all 'to do' statements # = same Frameworks as previous competency
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Agricultural Science II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
L.4	CA.3	1.1	MA / I.. / 9-12 / 4 / *					
	MA.1	1.2	MA / II.. / 9-12 / 4 / *					
	SC.1	1.4	MA / III.. / 9-12 / 1 / *					
	SC.8	1.7	MA / III.. / 9-12 / 2 / *					
		1.8	MA / III.. / 9-12 / 3 / *					
		1.10	MA / III.. / 9-12 / 4 / *					
		2.1	MA / III.. / 9-12 / 5 / *					
		2.3	MA / IV.. / 9-12 / 3 / *					
		2.7						
		3.1						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
L.5	CA.3	1.3	MA / I.. / 9-12 / 4 / *					
	HP.2	1.4	MA / II.. / 9-12 / 4 / *					
	MA.1	1.7	MA / III.. / 9-12 / 1 / *					
	SC.1	1.8	MA / III.. / 9-12 / 2 / *					
		1.10	MA / III.. / 9-12 / 3 / *					
		2.5	MA / III.. / 9-12 / 4 / *					
		3.1	MA / III.. / 9-12 / 5 / *					
		3.2	MA / IV.. / 9-12 / 1 / *					
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
M.1	CA.3	1.1		CA / I.. / 9-12 / 1 / *				
	CA.4	1.2		CA / I.. / 9-12 / 3 / *				

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.5	1.4		CA / L.. / 9-12 / 3 / *				
	HP.5	1.5		CA / L.. / 9-12 / 5 / *				
	HP.7	1.6		CA / L.. / 9-12 / 6 / a				
		1.7		CA / L.. / 9-12 / 6 / b				
		1.8		CA / L.. / 9-12 / 6 / d				
		1.10		CA / II.. / 9-12 / 5 / *				
		2.1		CA / III.. / 9-12 / 1 / *				
		2.2		CA / IV.. / 9-12 / 1 / *				
		2.3		CA / IV.. / 9-12 / 2 / *				
		2.5		CA / IV.. / 9-12 / 3 / *				
		2.6						
		2.7						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.7						
M.2	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / L.. / 9-12 / 5 / a	SC / III.B / 9-12 / 1 / a		HP / V.B / 9-12 / 1 / a	
	HP.2	1.4	MA / II.. / 9-12 / 4 / *	CA / L.. / 9-12 / 5 / b	SC / III.B / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / b	
	MA.1	1.7	MA / III.. / 9-12 / 1 / *	CA / L.. / 9-12 / 5 / d	SC / III.B / 9-12 / 3 / a			
	SC.1	1.8	MA / III.. / 9-12 / 2 / *		SC / III.B / 9-12 / 4 / a			
		1.10	MA / III.. / 9-12 / 3 / *		SC / III.C / 9-12 / 1 / a			
		2.5	MA / III.. / 9-12 / 4 / *		SC / III.C / 9-12 / 2 / a			
		3.1	MA / III.. / 9-12 / 5 / *		SC / III.C / 9-12 / 3 / a			
		3.2	MA / IV.. / 9-12 / 1 / *		SC / III.C / 9-12 / 4 / a			
		3.3	MA / IV.. / 9-12 / 2 / *					
		3.4	MA / IV.. / 9-12 / 3 / *					
		3.5						
		3.6						
		3.7						

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Agricultural Science II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8 4.7						
M.3	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
M.4	CA.3 HP.2 MA.1 SC.1	1.3 1.4 1.7 1.8 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
N.1								
N.2								

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating. An asterisk (*) in the curriculum frameworks column(s) indicates all "to do" statements in that section are applicable.

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	SC.1	1.3			SC / II.A / 9-12 / 2 / a			
	SC.2	1.8			SC / II.B / 9-12 / 1 / a			
	SC.5	3.1			SC / III.C / 9-12 / 4 / a			
	SC.8	3.2			SC / IV.C / 9-12 / 1 / a			
		3.3			SC / VI.B / 9-12 / 3 / a			
		3.4			SC / VI.B / 9-12 / 4 / a			
		3.5						
		3.7						
		3.8						
		4.1						
		4.7						
A.2	CA.3	1.4	MA / I.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.5	MA / III.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *				
		1.6	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *				
		1.8	MA / III.. / 9-12 / 4 / *					
		1.10	MA / III.. / 9-12 / 5 / *					
		2.3	MA / IV.. / 9-12 / 3 / *					
		2.5	MA / V.. / 9-12 / 1 / a					
		2.6	MA / V.. / 9-12 / 1 / a					
		3.1	MA / V.. / 9-12 / 1 / b					
		3.2	MA / V.. / 9-12 / 1 / c					
		3.3						
		3.4						
		3.6						
		4.1						
		4.7						
A.3	CA.3	1.1		CA / IV.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a			
	SC.1	1.4			SC / VI.B / 9-12 / 3 / a			
	SC.2	1.5						
	SC.8	1.7						
		1.10						
		2.5						

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.6						
		4.1						
		4.7						
A.4	SC.8	1.5			SC / II.A / 9-12 / 2 / a			
A.5	MA.1	1.4	MA / IV.. / 9-12 / 3 / '		SC / III.C / 9-12 / 2 / a			
	SC.1	1.8	MA / V.. / 9-12 / 1 / '					
		2.3						
		3.1						
		3.6						
		3.7						
		3.8						
		4.7						
A.6	MA.2	1.4	MA / VI.. / 9-12 / 1 / '		SC / III.C / 9-12 / 1 / a			
		1.10						
		2.5						
		3.2						
		3.6						
		3.7						
A.7		1.3	MA / IV.. / 9-12 / 3 / '					
		1.10						
		2.5						
		2.6						
		3.1						
		4.6						
		4.7						
A.8	MA.2	1.3	MA / IV.. / 9-12 / 3 / '					
		1.5	MA / VI.. / 9-12 / 1 / '					
		2.5	MA / VI.. / 9-12 / 2 / '					
		3.5	MA / VI.. / 9-12 / 3 / '					

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Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.9	MA.2	1.3	MA / IV.. / 9-12 / 3 / *					
		1.5	MA / VI.. / 9-12 / 1 / *					
		2.5	MA / VI.. / 9-12 / 2 / *					
		3.5	MA / VI.. / 9-12 / 3 / *					
A.10	SC.1	1.3			SC / II.A / 9-12 / 1 / a			
		1.5						
		2.5						
		3.5						
A.11	CA.3	1.1		CA / IV.. / 9-12 / 1 / *				
		1.4		CA / IV.. / 9-12 / 2 / *				
		1.6		CA / IV.. / 9-12 / 3 / *				
		1.8						
		1.10						
		2.5						
		2.7						
		3.1						
		3.5						
		3.8						
		4.5						
A.12	CA.3	1.3		CA / I.. / 9-12 / 98 / #				
		2.2						
		3.3						
		3.8						
A.13	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7	MA / VII.. / 9-12 / 4 / *					
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.5						
		3.6						
		3.8						

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Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
A.14	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / VIII.A / 9-12 / 1 / a			
	MA.1	1.7			SC / VIII.A / 9-12 / 2 / a			
	SC.8	1.8			SC / VIII.A / 9-12 / 2 / b			
		1.9			SC / VIII.A / 9-12 / 3 / a			
		1.10			SC / VIII.A / 9-12 / 3 / b			
		2.5			SC / VIII.B / 9-12 / 1 / a			
		3.1						
		3.2						
		3.3						
		3.5						
		3.6						
		3.8						
		4.7						
A.15	CA.3	1.2	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.1	1.7						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
A.16	CA.3	1.3		CA / I.. / 9-12 / 98 / #			HP / III.B / 9-12 / 5 / a	
	HP.6	1.6						
		2.5						
		3.2						
		3.3						
		4.7						
B.1	MA.1	1.3	MA / IV.. / 9-12 / 3 / *		SC / VIII.A / 9-12 / 1 / a			
	SC.8	1.6						

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5						
		3.2						
		3.3						
B.2	SC.8	1.3			SC / VIII.A / 9-12 / 2 / a			
		1.6						
		3.2						
		3.3						
		4.7						
B.3	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		1.6						
		3.2						
		3.3						
		4.7						
B.4	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		1.6						
		3.2						
		3.3						
		4.7						
B.5	MA.1	1.1	MA / I.. / 9-12 / 1 / '		SC / VIII.B / 9-12 / 1 / a			
	MA.2	1.2	MA / III.. / 9-12 / 1 / '					
	SC.8	1.3	MA / III.. / 9-12 / 2 / '					
		1.4	MA / III.. / 9-12 / 4 / '					
		1.5	MA / III.. / 9-12 / 5 / '					
		1.6	MA / IV.. / 9-12 / 3 / '					
		1.7	MA / V.. / 9-12 / 1 / '					
		1.8	MA / VI.. / 9-12 / 1 / a					
		1.9	MA / VI.. / 9-12 / 1 / b					
		1.10	MA / VI.. / 9-12 / 1 / c					
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
B.6	MA.1	1.1	MA / I.. / 9-12 / 1 / *					
	MA.2	1.2	MA / III.. / 9-12 / 1 / *					
	SC.8	1.3	MA / III.. / 9-12 / 2 / *					
		1.4	MA / III.. / 9-12 / 4 / *					
		1.5	MA / III.. / 9-12 / 5 / *					
		1.6	MA / IV.. / 9-12 / 3 / *					
		1.7	MA / V.. / 9-12 / 1 / *					
		1.8	MA / VI.. / 9-12 / 1 / a					
		1.9	MA / VI.. / 9-12 / 1 / c					
		1.10	MA / VI.. / 9-12 / 1 / d					
		2.5	MA / VI.. / 9-12 / 1 / e					
		3.1	MA / VI.. / 9-12 / 1 / i					
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
B.7	SC.8	1.3						
		2.5						
		3.8						
		4.7						
C.1	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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KEY:
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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.7						
C.2	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.3	CA.3	1.1	MA / I.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 1 / *	SC / VIII.B / 9-12 / 1 / a			
	MA.1	1.2	MA / III.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *				
	SC.8	1.3	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *				
		1.4	MA / III.. / 9-12 / 4 / *					
		1.5	MA / III.. / 9-12 / 5 / *					
		1.6	MA / IV.. / 9-12 / 3 / *					
		1.7	MA / V.. / 9-12 / 1 / *					
		1.8						
		1.9						
		1.10						
		2.2						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.4	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = "to know" statements may not be applicable

Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.5	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.6	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.7	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		4.7						
C.8	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.9	SC.8	1.3			SC / VIII.B / 9-12 / 1 / a			
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.10	CA.3	1.1	MA / I.. / 9-12 / 1 / *		SC / VIII.B / 9-12 / 1 / a			
	MA.1	1.2	MA / III.. / 9-12 / 1 / *					
	SC.8	1.3	MA / III.. / 9-12 / 2 / *					
		1.4	MA / III.. / 9-12 / 4 / *					
		1.5	MA / III.. / 9-12 / 5 / *					
		1.6	MA / IV.. / 9-12 / 3 / *					
		1.7	MA / V.. / 9-12 / 1 / *					
		1.8						
		1.9						
		1.10						
		2.2						
		2.5						

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.1	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						
D.2	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						
D.3	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						
D.4	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						
D.5	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						
D.6	MA.1	1.4	MA / IV.. / 9-12 / 3 / *					
		2.5						
		3.8						
		4.7						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
D.7	MA.1	1.4 2.5 3.8 4.7	MA / IV.. / 9-12 / 3 / *					
D.8	MA.1	1.4 2.5 3.8 4.7	MA / IV.. / 9-12 / 3 / *					
D.9	CA.3 HP.6	1.3 1.6 2.5 3.2 3.3 4.7		CA / IV.. / 9-12 / 1 / * CA / IV.. / 9-12 / 2 / * CA / IV.. / 9-12 / 3 / *			HP / III.B / 9-12 / 5 / a	
E.1	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.2	CA.1	1.2 1.8 4.8		CA / IV.. / 9-12 / 2 / d				
E.3	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.4	CA.1 HP.2 SS.6	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
E.5	CA.1 HP.2 SS.6	3.3 4.3 4.4		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
F.1	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d					
F.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					

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Agricultural Structures I

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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Competency Profile Date: 1994

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1		1.4						
		1.5						
		1.8						
		2.5						
		2.6						
		3.5						
A.2	MA.1	1.3	MA / IV.. / 9-12 / 3 / *		SC / III.B / 9-12 / 1 / a			
	SC.8	1.4						
		1.6						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.3	MA.1	1.3	MA / IV.. / 9-12 / 3 / *					
	MA.2	1.4	MA / VI.. / 9-12 / 3 / *					
		1.6						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Competency Profile Date: 1994

Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
A.4	SC.8	1.8			SC / III.B / 9-12 / 1 / a			
		2.5						
		3.6						
		4.7						
A.5	SC.8	1.3			SC / III.B / 9-12 / 1 / a			
		1.5						
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
A.6	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.5	MA / III.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *				
	MA.2	1.8	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *				
		1.10	MA / III.. / 9-12 / 4 / *					
		2.5	MA / III.. / 9-12 / 5 / *					
		2.6	MA / IV.. / 9-12 / 3 / *					
		3.1	MA / V.. / 9-12 / 1 / *					
		3.8	MA / V.. / 9-12 / 2 / *					
			MA / V.. / 9-12 / 3 / *					
			MA / V.. / 9-12 / 4 / *					
			MA / VI.. / 9-12 / 1 / *					
			MA / VI.. / 9-12 / 2 / *					
			MA / VI.. / 9-12 / 3 / *					

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.7	MA.1	1.3	MA / IV.. / 9-12 / 3 / *					
	MA.2	1.5	MA / VI.. / 9-12 / 1 / *					
		1.8	MA / VI.. / 9-12 / 2 / *					
		1.10	MA / VI.. / 9-12 / 3 / *					
		2.5						
		2.6						
		3.1						
		3.8						
		4.7						
A.8	MA.2	1.4	MA / I.. / 9-12 / 98 / #		SC / II.B / 9-12 / 1 / a			
	SC.8	1.8						
		2.5						
		2.6						
		3.2						
		3.3						
		3.7						
		3.8						
A.9	SC.8	1.8			SC / II.B / 9-12 / 1 / a			
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.10	SC.8	1.8			SC / II.B / 9-12 / 1 / a			
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.11		1.3						
		2.5						
A.12	MA.1	1.3	MA / IV.. / 9-12 / 3 / *					
	MA.2	1.8	MA / VI.. / 9-12 / 1 / *					
		2.5	MA / VI.. / 9-12 / 2 / *					
		3.1	MA / VI.. / 9-12 / 3 / *					
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
A.13	CA.3	1.3	MA / I.. / 9-12 / 4 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.5	MA / III.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *				
	MA.2	1.8	MA / III.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *				
		1.10	MA / III.. / 9-12 / 4 / *					
		2.5	MA / III.. / 9-12 / 5 / *					
		2.6	MA / IV.. / 9-12 / 3 / *					
		3.1	MA / V.. / 9-12 / 1 / *					
		3.8	MA / V.. / 9-12 / 2 / *					
			MA / V.. / 9-12 / 3 / *					
			MA / V.. / 9-12 / 4 / *					
			MA / VI.. / 9-12 / 1 / *					
			MA / VI.. / 9-12 / 2 / *					
			MA / VI.. / 9-12 / 3 / *					
A.14	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	MA.1	1.5						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.2	1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.8						
A.15	CA.3	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	MA.1	1.5						
	MA.2	1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.8						
A.16	MA.2	1.3	MA / VI.. / 9-12 / 1 / *					
		1.8	MA / VI.. / 9-12 / 2 / *					
		1.10	MA / VI.. / 9-12 / 3 / *					
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.17	MA.2	1.3	MA / I.. / 9-12 / 98 / #					
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
A.18	CA.3	1.3		CA / IV.. / 9-12 / 1 / *				
		1.8		CA / IV.. / 9-12 / 2 / *				
		1.10		CA / IV.. / 9-12 / 3 / *				
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
A.19	SC.8	1.3			SC / III.B / 9-12 / 1 / a			
		1.8						
		1.10						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
A.20	CA.3	1.3		CA / IV.. / 9-12 / 1 / *			HP / III.B / 9-12 / 4 / a	
	HP.6	1.6		CA / IV.. / 9-12 / 2 / *				

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5		CA / IV.. / 9-12 / 3 / *				
		3.2						
		3.3						
		4.7						
B.1	FA.4	1.8						FA / IV.A / 9-12 / 6 / a
		2.5						
		3.1						
B.2	FA.4	1.8						FA / IV.A / 9-12 / 6 / a
		2.5						
		3.1						
B.3	FA.4	1.8						FA / IV.A / 9-12 / 6 / a
		2.5						
		3.1						
B.4	FA.4	1.8						FA / IV.A / 9-12 / 6 / a
		2.5						
		3.1						
B.5	FA.4	1.8						FA / IV.A / 9-12 / 6 / a
		2.5						
		3.1						
B.6	CA.3	1.3	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *				
	MA.1	1.6		CA / IV.. / 9-12 / 2 / *				
		2.5		CA / IV.. / 9-12 / 3 / *				
		3.2						
		3.3						
C.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
		4.7						
C.2	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.3	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.4	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4						
		1.8						
		2.5						
		3.1						
		3.2						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
C.5	CA.3	1.1		CA / I.. / 9-12 / 98 / #				
		1.4						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
C.6	CA.3	1.1		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	SC.8	1.4						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
D.1	HP.6	1.1			SC / IV.B / 9-12 / 3 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	1.3					HP / III.D / 9-12 / 1 / b	
		1.4						
		1.5						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
D.2	HP.6	1.3					HP / III.D / 9-12 / 1 / a	
		1.7					HP / III.D / 9-12 / 1 / b	
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
D.3	CA.3	1.1		CA / IV.. / 9-12 / 1 / *	SC / III.B / 9-12 / 1 / a			
	SC.8	1.4		CA / IV.. / 9-12 / 2 / *				
		1.8		CA / IV.. / 9-12 / 3 / *				
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
D.4	CA.3	1.1		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	SC.8	1.3						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
D.5	CA.3	1.1		CA / I.. / 9-12 / 98 / #			HP / III.D / 9-12 / 1 / a	
	HP.6	1.3					HP / III.D / 9-12 / 1 / b	
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
D.6	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.4	MA / V.. / 9-12 / 1 / '					
	MA.1	1.8	MA / V.. / 9-12 / 2 / '					
	MA.3	2.5						
	SC.8	3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
		3.8						
		4.7						
D.7	HP.6	1.1	MA / I.. / 9-12 / 98 / #		SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	MA.1	1.4						
	MA.3	1.8						
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.8	HP.6	1.1	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 1 / '	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	MA.1	1.4		CA / IV.. / 9-12 / 2 / '				
	MA.3	1.8		CA / IV.. / 9-12 / 3 / '				
	SC.8	2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.9	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.10	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.11	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.12	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.13	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
D.14	CA.3	1.2		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a		HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	SC.8	1.4						
		1.7						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
E.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #			HP / I.A / 9-12 / 98 / #	
	HP.6	1.3						
	MA.3	1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
E.2	CA.3	1.3		CA / I.. / 9-12 / 98 / #				
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
E.3	CA.3	1.3		CA / I.. / 9-12 / 98 / #				
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
E.4	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #			HP / III.D / 9-12 / 1 / a	
	HP.6	1.3					HP / III.D / 9-12 / 1 / b	
	MA.3	1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
		4.7						
E.5	CA.3	1.3		CA / I.. / 9-12 / 98 / #				
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
E.6	HP.6	1.3					HP / III.D / 9-12 / 1 / a	
		1.7					HP / III.D / 9-12 / 1 / b	
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.1	CA.3	1.1		CA / IV.. / 9-12 / 1 / '	SC / III.B / 9-12 / 2 / a			
	SC.8	1.2		CA / IV.. / 9-12 / 2 / '	SC / III.C / 9-12 / 4 / a			
		1.3		CA / IV.. / 9-12 / 3 / '				
		1.4						
		1.8						
		2.5						
		2.6						

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Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.2	CA.3	1.1		CA / IV.. / 9-12 / 1 / *	SC / III.B / 9-12 / 2 / a			
	SC.8	1.2		CA / IV.. / 9-12 / 2 / *	SC / III.C / 9-12 / 4 / a			
		1.3		CA / IV.. / 9-12 / 3 / *				
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.3	CA.3	1.1		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 2 / a			
	SC.8	1.2			SC / III.C / 9-12 / 4 / a			
		1.3						
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.4	CA.3	1.1		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 2 / a			
	SC.8	1.2			SC / III.C / 9-12 / 4 / a			
		1.3						
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.5	CA.3	1.1		CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 2 / a			
	SC.8	1.2			SC / III.C / 9-12 / 4 / a			
		1.3						
		1.4						
		1.8						
		2.5						
		2.6						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
F.6	HP.6	1.1			SC / III.B / 9-12 / 1 / a		HP / III.D / 9-12 / 1 / a	
	SC.8	1.2					HP / III.D / 9-12 / 1 / b	
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8 1.9 1.10 2.5 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.7						
G.1	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
G.2	CA.4	1.2 1.8 4.8		CA / IV.. / 9-12 / 2 / d				
G.3	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
G.4	CA.1 HP.2 SS.6	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
G.5	CA.1 HP.2 SS.6	3.3 4.3 4.4		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
H.1	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d			SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
H.2	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d					

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Agricultural Structures II

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
H.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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NOTE: The code in parentheses is the competency indentification number used in computerized management systems.

Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
..1								
A.1	SC.1	1.2			SC / VII.A / 9-12 / 1 / a			
	SC.3	1.4			SC / VII.A / 9-12 / 2 / a			
		1.6						
		2.1						
		2.3						
A.2	SC.3	1.8			SC / VII.C / 9-12 / 2 / a			
		3.5						
A.3	HP.2	1.1			SC / III.A / 9-12 / 1 / a		HP / II.B / 9-12 / 1 / a	
	SC.1	1.2			SC / VII.A / 9-12 / 1 / a		HP / II.B / 9-12 / 2 / a	
	SC.2	1.3			SC / VII.A / 9-12 / 2 / a		HP / II.B / 9-12 / 6 / a	
	SC.3	1.4			SC / VII.A / 9-12 / 3 / a			
		1.6			SC / VII.B / 9-12 / 1 / a			
		1.9						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.7						
		3.8						
		4.8						
A.4	HP.2	1.1			SC / VII.A / 9-12 / 3 / a		HP / I.A / 9-12 / 98 / #	
	SC.1	1.2						
	SC.2	1.3						
	SC.3	1.4						
		1.6						
		1.9						
		1.10						
		2.1						
		2.3						
		2.4						
		2.7						

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.8						
		4.8						
A.5	HP.2	1.1			SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	SC.1	1.2						
	SC.2	1.3						
	SC.3	1.4						
		1.6						
		1.9						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.7						
		3.8						
		4.8						
A.6	HP.2	1.1			SC / III.A / 9-12 / 1 / a		HP / II.B / 9-12 / 1 / a	
	SC.1	1.2			SC / VII.A / 9-12 / 1 / a		HP / II.B / 9-12 / 2 / a	
	SC.2	1.3			SC / VII.A / 9-12 / 2 / a		HP / II.B / 9-12 / 6 / a	
	SC.3	1.4			SC / VII.A / 9-12 / 3 / a			
		1.6			SC / VII.B / 9-12 / 1 / a			
		1.9						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.7						
		3.8						
		4.8						
A.7	HP.2	1.1			SC / I.A / 9-12 / 98 / #		HP / I.A / 9-12 / 98 / #	
	SC.1	1.2						
	SC.2	1.3						
	SC.3	1.4						

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.4	1.6						
		1.9						
		1.10						
		2.1						
		2.3						
		2.7						
		3.1						
		3.5						
		3.7						
		3.8						
		4.1						
		4.8						
A.8	CA.1	1.1		CA / I.. / 9-12 / 2 / *	SC / II.A / 9-12 / 2 / a			
	CA.3	1.2		CA / II.. / 9-12 / 5 / *				
	CA.4	1.3						
	CA.5	1.4						
	CA.6	1.6						
	SC.3	1.7						
	SC.4	1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.1						
		4.1						
A.9	CA.3	1.2	MA / II.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / VII.A / 9-12 / 1 / a			
	MA.1	1.3	MA / V.. / 9-12 / 1 / *	CA / IV.. / 9-12 / 2 / *	SC / VII.A / 9-12 / 2 / a			
	MA.3	1.4	MA / V.. / 9-12 / 2 / *	CA / IV.. / 9-12 / 3 / *	SC / VII.A / 9-12 / 4 / a			
	MA.4	1.7	MA / V.. / 9-12 / 4 / *		SC / VII.B / 9-12 / 1 / a			
	SS.3	1.8	MA / VII.. / 9-12 / 1 / *		SC / VII.B / 9-12 / 3 / a			
	SS.4	2.5	MA / VII.. / 9-12 / 2 / *					
		2.6	MA / VII.. / 9-12 / 3 / *					
		3.1	MA / VII.. / 9-12 / 4 / *					
		3.2	MA / VII.. / 9-12 / 5 / *					

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3	MA / IX.. / 5-8 / 1 / a					
		3.4	MA / IX.. / 5-8 / 1 / b					
		3.5	MA / IX.. / 5-8 / 1 / c					
		3.6	MA / IX.. / 5-8 / 1 / d					
		3.7	MA / IX.. / 5-8 / 2 / a					
		3.8	MA / IX.. / 5-8 / 2 / b					
			MA / IX.. / 5-8 / 2 / c					
			MA / IX.. / 5-8 / 2 / d					
			MA / IX.. / 5-8 / 3 / a					
			MA / IX.. / 5-8 / 3 / b					
			MA / IX.. / 5-8 / 3 / c					
			MA / IX.. / 5-8 / 3 / d					
			MA / IX.. / 5-8 / 4 / a					
			MA / IX.. / 5-8 / 4 / b					
			MA / IX.. / 5-8 / 4 / c					
			MA / IX.. / 5-8 / 4 / d					
B.1	CA.3	1.2		CA / I.. / 9-12 / 2 / *	SC / II.A / 9-12 / 1 / a	SS / II.A / 9-12 / 3 / g	HP / I.A / 9-12 / 4 / a	
	CA.4	1.3		CA / II.. / 9-12 / 3 / *	SC / VII.D / 9-12 / 1 / a	SS / II.A / 9-12 / 3 / k	HP / I.A / 9-12 / 4 / b	
	CA.5	1.4			SC / VII.E / 9-12 / 2 / a	SS / IV.D / 9-12 / 4 / j		
	CA.6	1.6				SS / IV.D / 9-12 / 4 / l		
	HP.1	1.7				SS / IV.D / 9-12 / 4 / n		
	SC.3	1.8						
	SC.4	1.10						
	SC.8	2.1						
	SS.2	2.2						
	SS.6	2.3						
	SS.7	2.4						
		2.7						
		3.1						
		3.8						
		4.1						
		4.3						
		4.4						
		4.7						
B.2	SC.3	1.6			SC / VII.D / 9-12 / 3 / a			

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.1						
B.3	SC.3	1.2			SC / VII.A / 9-12 / 1 / a			
	SC.4	1.4			SC / VII.A / 9-12 / 2 / a			
		1.6						
		2.1						
		2.3						
B.4	MA.1	1.5	MA / I.. / 9-12 / 3 / a		SC / VII.D / 9-12 / 2 / a	SS / III.A / 9-12 / 1 / h		
	MA.3	1.6	MA / I.. / 9-12 / 3 / c			SS / III.A / 9-12 / 1 / i		
	SC.3	1.8	MA / V.. / 9-12 / 1 / a			SS / III.A / 9-12 / 1 / j		
	SC.4	1.10						
	SS.2	2.2						
	SS.3	2.3						
	SS.7	2.6						
		3.1						
		3.2						
		3.3						
		3.5						
		4.1						
B.5	CA.1	1.1		CA / I.. / 9-12 / 2 / *	SC / VII.D / 9-12 / 2 / a		HP / I.A / 9-12 / 4 / a	
	CA.3	1.2		CA / II.. / 9-12 / 5 / *			HP / I.A / 9-12 / 4 / b	
	CA.4	1.3						
	CA.5	1.4						
	CA.6	1.6						
	HP.1	1.7						
	SC.3	1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.8						
B.6	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / VII.D / 9-12 / 2 / a		HP / I.A / 9-12 / 98 / #	
	CA.3	1.2						
	CA.4	1.3						

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.5	1.4						
	CA.6	1.6						
	HP.1	1.7						
	SC.3	1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.8						
B.7	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / VII.D / 9-12 / 2 / a		HP / I.A / 9-12 / 98 / #	
	CA.3	1.2						
	CA.4	1.3						
	CA.5	1.4						
	CA.6	1.6						
	HP.1	1.7						
	SC.3	1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.8						
B.8	CA.1	1.1		CA / I.. / 9-12 / 2 / *	SC / VII.D / 9-12 / 2 / a		HP / I.A / 9-12 / 4 / a	
	CA.3	1.2		CA / II.. / 9-12 / 5 / *			HP / I.A / 9-12 / 4 / b	
	CA.4	1.3						
	CA.5	1.4						
	CA.6	1.6						
	HP.1	1.7						
	SC.3	1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
C.1	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 1 / a			
	CA.2	1.2			SC / VII.A / 9-12 / 1 / a			
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.6						
	SC.3	1.7						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
C.2	CA.1	1.1		CA / I.. / 9-12 / 98 / #				
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
C.3	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 1 / a			
	CA.2	1.2			SC / VII.A / 9-12 / 3 / a			
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.6						
	SC.3	1.7						
		1.8						
		2.1						

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Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.2						
		2.3						
		2.4						
		2.7						
C.4	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / VII.D / 9-12 / 5 / a			
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.6						
	SC.3	1.7						
		1.8						
		1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.5						
C.5	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a			
	CA.2	1.2			SC / VII.B / 9-12 / 3 / a			
	CA.3	1.3			SC / VII.E / 9-12 / 2 / a			
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.6						
	SC.3	1.7						
		1.8						
		1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.5						
C.6	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / II.A / 9-12 / 2 / a			

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
D.1	HP.1	1.2			SC / II.A / 9-12 / 1 / a	SS / III.A / 9-12 / 1 / h	HP / I.A / 9-12 / 4 / a	
	SC.3	1.6				SS / III.A / 9-12 / 1 / i	HP / I.A / 9-12 / 4 / b	
	SS.2	2.3				SS / III.A / 9-12 / 1 / j		
	SS.3	3.1						
	SS.7	3.2						
		3.3						
		3.8						
D.2	HP.1	1.2			SC / II.A / 9-12 / 1 / a	SS / III.A / 9-12 / 1 / h	HP / I.A / 9-12 / 98 / #	
	SC.3	1.6				SS / III.A / 9-12 / 1 / i		
	SS.2	2.3				SS / III.A / 9-12 / 1 / j		
	SS.3	3.1						
	SS.7	3.2						
		3.3						
		3.8						
D.3	CA.1	1.1		CA / I.. / 9-12 / 2 / '				
	CA.2	1.2		CA / II.. / 9-12 / 5 / '				
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						
		2.3						

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.4						
		2.7						
D.4	CA.1	1.1		CA / I.. / 9-12 / 98 / #				
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
D.5	CA.1	1.1		CA / I.. / 9-12 / 98 / #				
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						
		2.3						
		2.4						
		2.7						
D.6	CA.1	1.1		CA / I.. / 9-12 / 98 / #				
	CA.2	1.2						
	CA.3	1.3						
	CA.4	1.4						
	CA.5	1.5						
	CA.6	1.7						
		1.8						
		2.1						
		2.2						

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.3 2.4 2.7						
D.7	CA.1 CA.2 CA.3 CA.4 CA.5 CA.6	1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.1 2.2 2.3 2.4 2.7		CA / I.. / 9-12 / 98 / #				
E.1	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.2	CA.4	1.2 1.8 4.8		CA / IV.. / 9-12 / 2 / d				
E.3	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.4	CA.1 HP.2 SS.6	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
E.5	CA.1 HP.2 SS.6	3.3 4.3 4.4		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
F.1	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d					

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
F.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
F.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.1 CA.3 CA.4 CA.6 SS.2	1.6 1.10 2.1 2.3 2.6 3.5 4.8		CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c CA / I.. / 9-12 / 2 / d CA / I.. / 9-12 / 2 / e		SS / I.D / 9-12 / 2 / h SS / I.D / 9-12 / 2 / i SS / I.D / 9-12 / 2 / j		
A.2	CA.1 CA.3 CA.4 SS.2 SS.6	1.1 1.2 1.5 2.1 3.1 4.2		CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / e CA / I.. / 9-12 / 3 / f CA / II.. / 9-12 / 6 / a CA / III.. / 9-12 / 1 / b		SS / I.C / 9-12 / 6 / l SS / I.C / 9-12 / 6 / n SS / I.E / 9-12 / 4 / j		
A.3	CA.1 CA.3	4.8		CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c CA / I.. / 9-12 / 2 / d CA / I.. / 9-12 / 2 / e		SS / II.D / 9-12 / 2 / d SS / II.D / 9-12 / 2 / e		
A.4	CA.6 HP.2 HP.6 SC.8 SS.2 SS.5	1.2 1.3 2.3 3.8 4.2 4.7		CA / I.. / 9-12 / 2 / e CA / I.. / 9-12 / 3 / f CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 4 / h SS / II.B / 9-12 / 2 / h SS / II.B / 9-12 / 4 / j	HP / III.D / 9-12 / 1 / a	
B.1	CA.6 MA.1 SC.3 SC.7 SC.8 SS.4	1.10 2.3 3.8 4.1 4.2	MA / I.. / 9-12 / 1 / d MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / e CA / I.. / 9-12 / 3 / f	SC / I.A / 9-12 / 1 / a SC / II.A / 9-12 / 1 / a SC / VII.A / 9-12 / 3 / a	SS / I.D / 9-12 / 1 / a SS / I.D / 9-12 / 1 / b SS / I.D / 9-12 / 1 / f SS / II.D / 9-12 / 3 / f		
B.2	CA.6 MA.1 SC.3 SC.7	1.10 2.3 3.8 4.1	MA / I.. / 9-12 / 1 / d MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 1 / a SC / II.A / 9-12 / 1 / a SC / VII.A / 9-12 / 3 / a	SS / I.D / 9-12 / 1 / a SS / I.D / 9-12 / 1 / b SS / I.D / 9-12 / 1 / f SS / II.D / 9-12 / 3 / f		

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Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	4.2						
	SS.4							
B.3	SC.3	1.5			SC / VIII.A / 9-12 / 2 / a	SS / I.D / 9-12 / 1 / a		
	SC.8	1.7			SC / VIII.A / 9-12 / 3 / b	SS / I.D / 9-12 / 1 / b		
	SS.5	3.3			SC / VIII.B / 9-12 / 1 / a			
		3.7			SC / VIII.B / 9-12 / 2 / b			
		4.1			SC / VIII.B / 9-12 / 2 / c			
		4.7						
B.4	CA.6	1.10	MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 2 / e	SC / I.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / a		
	MA.1	2.3	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 3 / f	SC / II.A / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / b		
	SC.3	3.8			SC / VIII.A / 9-12 / 3 / a	SS / I.D / 9-12 / 1 / f		
	SC.7	4.1				SS / I.D / 9-12 / 3 / f		
	SC.8	4.2						
	SS.4							
B.5	CA.6	1.10	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	MA.1	2.3						
	SC.3	3.8						
	SC.7	4.1						
	SC.8	4.2						
	SS.4							
B.6	CA.6	1.10	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	MA.1	2.3						
	SC.3	3.8						
	SC.7	4.1						
	SC.8	4.2						
	SS.4							
B.7	CA.3	1.3		CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a	SS / I.A / 9-12 / 99 / m	HP / III.A / 9-12 / 1 / a	
	HP.3	3.6		CA / I.. / 9-12 / 2 / c	SC / VII.A / 9-12 / 4 / a			
	SS.3	4.4						
	SS.5							
C.1	CA.1	1.1		CA / I.. / 9-12 / 2 / a	SC / VIII.A / 9-12 / 2 / a	SS / I.D / 9-12 / 2 / h		
	CA.3	1.2		CA / I.. / 9-12 / 2 / c	SC / VIII.A / 9-12 / 3 / b	SS / I.D / 9-12 / 2 / i		
	CA.4	1.4		CA / I.. / 9-12 / 3 / b	SC / VIII.B / 9-12 / 1 / a	SS / I.D / 9-12 / 2 / j		
	CA.6	1.5						

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3	2.1						
	SC.8	3.4						
	SS.3	3.7						
		4.2						
C.2	CA.2	1.1	MA / I.. / 9-12 / 1 / c	CA / I.. / 9-12 / 3 / b	SC / II.A / 9-12 / 2 / a	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2	MA / IV.. / 9-12 / 2 / c		SC / VIII.A / 9-12 / 2 / a			
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	1.8						
	FA.2	2.1						
	HP.2	3.1						
	MA.1	3.2						
	SC.3	3.3						
	SC.4	3.7						
	SC.8	3.8						
	SS.3	4.1						
	SS.6							
	SS.7							
C.3	CA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / II.B / 9-12 / 2 / f		
	CA.4	1.2	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / c	SC / VII.B / 9-12 / 2 / a	SS / II.B / 9-12 / 2 / h		
	MA.1	1.4	MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 2 / e	SC / VII.C / 9-12 / 2 / a	SS / II.B / 9-12 / 2 / i		
	SC.3	1.8		CA / II.. / 9-12 / 6 / a	SC / VIII.A / 9-12 / 2 / b			
	SC.8	2.3						
	SS.7	3.6						
		4.4						
C.4	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.4	1.2						
	MA.1	1.4						
	SC.3	1.8						
	SC.8	2.3						
	SS.7	3.6						
		4.4						
C.5	CA.1	1.3		CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / II.B / 9-12 / 2 / f		

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.6 SC.3 SC.8 SS.5	1.7 2.3 3.1 3.4 3.6 3.7 4.8		CA / I.. / 9-12 / 2 / c CA / II.. / 9-12 / 6 / a	SC / VIII.A / 9-12 / 2 / b			
C.6	CA.1 CA.3 SC.3 SC.8	1.1 1.2 1.4 2.3 3.6		CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c CA / II.. / 9-12 / 6 / a	SC / VIII.A / 9-12 / 2 / b			
C.7	CA.6 MA.1 MA.2 SC.3 SC.5 SC.8 SS.5	1.4 2.7 3.1 3.5 3.8 4.6	MA / I.. / 9-12 / 4 / d MA / IV.. / 9-12 / 2 / c MA / V.. / 9-12 / 3 / a MA / VI.. / 9-12 / 1 / a MA / VI.. / 9-12 / 1 / b	CA / I.. / 9-12 / 1 / b	SC / I.A / 9-12 / 4 / a SC / VI.A / 9-12 / 1 / a	SS / I.A / 9-12 / 1 / b		
C.8	CA.1 CA.4 CA.6 SC.8 SS.1	1.1 1.3 1.4 2.7 3.8 4.1 4.2		CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c CA / II.. / 9-12 / 6 / a	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / c SS / I.A / 9-12 / 8 / m		
D.1	CA.1 CA.3 CA.4 MA.1 SC.3 SC.4 SC.8 SS.5		MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 4 / d MA / II.. / 9-12 / 3 / a MA / II.. / 9-12 / 4 / a	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / e CA / I.. / 9-12 / 3 / f CA / II.. / 9-12 / 6 / a CA / III.. / 9-12 / 1 / b	SC / VII.C / 9-12 / 2 / a SC / VII.E / 9-12 / 2 / a	SS / I.C / 9-12 / 6 / l SS / I.C / 9-12 / 6 / n SS / I.E / 9-12 / 4 / j		

KEY: ' = may use all 'to do' statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = 'to know' statements may not be applicable

Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
D.2	CA.1		MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3							
	CA.4							
	MA.1							
	SC.3							
	SC.4							
	SC.8							
	SS.5							
D.3	CA.1		MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3							
	CA.4							
	MA.1							
	SC.3							
	SC.4							
	SC.8							
	SS.5							
D.4	CA.1		MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	CA.3							
	CA.4							
	MA.1							
	SC.3							
	SC.4							
	SC.8							
	SS.5							
E.1	CA.1	1.1		CA / I.. / 9-12 / 1 / b	SC / II.A / 9-12 / 2 / a	SS / I.A / 9-12 / 1 / a		
	CA.6	1.7		CA / I.. / 9-12 / 2 / c		SS / I.A / 9-12 / 1 / c		
	SC.4	1.10		CA / I.. / 9-12 / 3 / a		SS / I.A / 9-12 / 1 / d		
	SC.8	2.3		CA / I.. / 9-12 / 3 / b		SS / I.A / 9-12 / 1 / h		
	SS.3	3.3		CA / I.. / 9-12 / 3 / d		SS / I.A / 9-12 / 4 / h		
	SS.7	4.3		CA / II.. / 9-12 / 1 / c		SS / I.A / 9-12 / 5 / l		
				CA / II.. / 9-12 / 6 / a		SS / I.A / 9-12 / 5 / m		
						SS / I.B / 9-12 / 3 / f		
E.2	CA.1	1.1		CA / I.. / 9-12 / 1 / b	SC / II.A / 9-12 / 2 / a	SS / I.A / 9-12 / 1 / a		
	CA.6	1.7		CA / I.. / 9-12 / 2 / c		SS / I.A / 9-12 / 1 / c		

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Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.4	1.10		CA / I.. / 9-12 / 3 / a		SS / I.A / 9-12 / 1 / d		
	SC.8	2.3		CA / I.. / 9-12 / 3 / b		SS / I.A / 9-12 / 1 / h		
	SS.3	3.3		CA / I.. / 9-12 / 3 / d		SS / I.A / 9-12 / 4 / h		
	SS.7	4.3		CA / II.. / 9-12 / 1 / c		SS / I.A / 9-12 / 5 / l		
				CA / II.. / 9-12 / 6 / a		SS / I.A / 9-12 / 5 / m		
						SS / I.B / 9-12 / 3 / l		
F.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
F.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
F.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
F.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
F.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
G.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
G.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
G.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
G.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
G.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
G.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
G.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

KEY:
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Competency Profile Date: 1993

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Floristry

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A..1	CA.1	1.6		CA / I.. / 9-12 / 1 / c		SS / I.D / 9-12 / 2 / h		
	CA.3	1.10		CA / I.. / 9-12 / 2 / c		SS / I.D / 9-12 / 2 / i		
	CA.4	2.1		CA / I.. / 9-12 / 2 / d		SS / I.D / 9-12 / 2 / j		
	CA.6	2.1		CA / I.. / 9-12 / 2 / e				
	SS.2	2.3						
		2.6						
		3.5						
		4.8						
A..2	CA.1	4.8		CA / I.. / 9-12 / 98 / #		SS / II.D / 9-12 / 2 / d		
	CA.3					SS / II.D / 9-12 / 2 / e		
B.1	CA.3	1.3		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
	SC.8	2.1		CA / I.. / 9-12 / 2 / c				
	SS.5							
B.2	CA.3	1.3		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		
	SC.8	2.1						
	SS.5							
C.1	CA.6	1.10	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 4 / b	SC / VIII.A / 9-12 / 2 / *	SS / I.D / 9-12 / 2 / h		
	CA.7	2.6	MA / IV.. / 9-12 / 2 / c			SS / I.D / 9-12 / 4 / n		
	MA.1	3.8						
	SC.4	4.4						
	SS.3	4.8						
	SS.4							
C.2	CA.6	1.10	MA / I.. / 9-12 / 98 / #	CA / II.. / 9-12 / 2 / b	SC / VIII.A / 9-12 / 2 / *	SS / I.A / 9-12 / 98 / #		
	CA.7	2.6						
	MA.1	3.8						
	SC.4	4.4						
	SS.3	4.8						
	SS.4							
C.3	CA.3	1.10		CA / I.. / 9-12 / 1 / d	SC / II.A / 9-12 / 1 / a			
	CA.6	4.8						
	SC.3							
	SC.8							
D.1	CA.3	1.6	MA / II.. / 9-12 / 3 / a	CA / III.. / 9-12 / 1 / I			HP / V.B / 9-12 / 1 / a	

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.5	3.1	MA / II.. / 9-12 / 3 / h	CA / IV.. / 9-12 / 1 / f				
	HP.7	3.2		CA / IV.. / 9-12 / 1 / g				
	MA.1	3.6						
		3.8						
		4.8						
D.2	FA.2	2.5						FA / IV.D / 9-12 / 1 / a
	MA.2							FA / IV.D / 9-12 / 3 / a
D.3	FA.2	2.5						FA / IV.D / 9-12 / 1 / a
								FA / IV.D / 9-12 / 3 / a
D.4	FA.2	2.5						FA / I.A / 9-12 / 98 / #
D.5	CA.7	1.10	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 4 / b		SS / I.D / 9-12 / 2 / h		
	MA.1	3.8	MA / IV.. / 9-12 / 2 / c			SS / I.D / 9-12 / 4 / n		
	SC.4	4.4						
	SS.4	4.8						
E.1	CA.1	2.4		CA / II.. / 9-12 / 3 / c				FA / IV.A / 9-12 / 3 / a
	CA.4	2.6						FA / IV.B / 9-12 / 3 / b
	CA.6	2.7						FA / IV.B / 9-12 / 4 / a
	CA.7							FA / IV.C / 9-12 / 5 / a
	FA.3							
E.2	CA.1	2.4		CA / II.. / 9-12 / 3 / c				FA / I.A / 9-12 / 98 / #
	CA.4	2.6						
	CA.6	2.7						
	CA.7							
	FA.3							
F.1	CA.1	2.6		CA / I.. / 9-12 / 2 / b		SS / III.B / 9-12 / 3 / d		
	CA.6	2.7		CA / II.. / 9-12 / 3 / c		SS / III.B / 9-12 / 3 / e		
	CA.6	4.7				SS / III.B / 9-12 / 3 / g		
	SS.6					SS / III.B / 9-12 / 3 / h		
F.2	CA.6	1.5	MA / I.. / 9-12 / 1 / a	CA / II.. / 9-12 / 3 / c	SC / VIII.B / 9-12 / 1 / a	SS / II.B / 9-12 / 4 / j		FA / IV.B / 9-12 / 4 / a
	FA.1	1.6	MA / I.. / 9-12 / 1 / b	CA / II.. / 9-12 / 5 / e		SS / II.B / 9-12 / 4 / l		FA / IV.D / 9-12 / 2 / a
	MA.1	2.1	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 6 / a		SS / II.B / 9-12 / 4 / o		FA / IV.D / 9-12 / 2 / b
	SC.4	2.5						
	SS.6	3.2						

KEY: ' = may use all 'to do' statements # = same Frameworks as previous competency
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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
F.3	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.6	3.2						
		4.1						
F.4	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.6	3.2						
		4.1						
F.5	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.5	3.2						
		4.1						
F.6	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.6	3.2						
		4.1						
F.7	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.6	3.2						
		4.1						
F.8	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.4	2.5						
	SS.6	3.2						
		4.1						
F.9	CA.6	1.5	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.B / 9-12 / 1 / a	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	FA.1	1.6						
	MA.1	2.1						
	SC.4	2.5						
	SS.6	3.2						
		4.1						
G.1	CA.1	1.10	MA / I.. / 9-12 / 1 / a			SS / IV.B / 9-12 / 1 / b		
	CA.6	2.2	MA / I.. / 9-12 / 4 / d					
	FA.1	3.8						
	MA.1	4.8						
	SS.4							
G.2	CA.1	1.10	MA / I.. / 9-12 / 98 / #			SS / IV.B / 9-12 / 1 / b		
	CA.6	2.2						
	FA.1	3.8						
	MA.1	4.8						
	SS.4							
G.3	FA.1	1.1	MA / I.. / 9-12 / 4 / b			SS / I.D / 9-12 / 1 / d		FA / IV.A / 9-12 / 6 / a
	MA.1	1.2	MA / I.. / 9-12 / 4 / b					
	SS.4	2.3	MA / I.. / 9-12 / 4 / c					
		3.8						
		4.1						
		4.6						
		4.8						
G.4	FA.4	1.1	MA / I.. / 9-12 / 4 / b					
	MA.1	1.2	MA / I.. / 9-12 / 4 / c					
	SS.4	2.3	MA / I.. / 9-12 / 4 / d					
		3.8						
		4.1						
		4.6						
		4.8						
G.5	CA.6	4.4	MA / I.. / 9-12 / 4 / b					FA / IV.A / 9-12 / 6 / a

KEY:
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98 = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	FA.1	4.5						
	MA.2							
G.6	SS.6	1.10				SS / III.E / 9-12 / 4 / *		
		4.1						
G.7	CA.1	1.2	MA / I.. / 9-12 / 4 / a	CA / I.. / 9-12 / 3 / e			HP / II.A / 9-12 / 2 / *	
	CA.5	1.4	MA / I.. / 9-12 / 4 / b	CA / I.. / 9-12 / 5 / b			HP / II.A / 9-12 / 3 / *	
	FA.2	2.1	MA / I.. / 9-12 / 4 / c	CA / II.. / 9-12 / 4 / b				
	HP.1	2.4	MA / I.. / 9-12 / 4 / d					
	MA.2	2.5	MA / III.. / 9-12 / 1 / *					
	SC.8	2.6	MA / III.. / 9-12 / 2 / *					
		3.4	MA / III.. / 9-12 / 3 / *					
		3.8	MA / III.. / 9-12 / 4 / *					
		4.1	MA / III.. / 9-12 / 5 / *					
		4.4	MA / IV.. / 9-12 / 3 / c					
		4.5						
		4.6						

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = "to know" statements may not be applicable

Competency Profile Date: 1996

NOTE: The code in parentheses is the competency identification number used in computerized management systems. An asterisk (*) in the curriculum frameworks column(s) indicates all "to do" statements in that section are applicable.

Food Science and Technology

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / IV.. / 9-12 / 1 / *	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 4 / a	
	HP.6	1.2		CA / IV.. / 9-12 / 2 / *	SC / III.B / 9-12 / 1 / a		HP / II.B / 9-12 / 8 / a	
	MA.4	1.3		CA / IV.. / 9-12 / 3 / *	SC / VII.A / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / a	
	SC.8	1.5			SC / VII.B / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / b	
	SS.4	1.6			SC / VII.B / 9-12 / 3 / a			
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
A.2	CA.3	1.1	MA / I.. / 9-12 / 3 / *	CA / I . / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / *	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.8	1.5						
	SS.4	1.6						
		1.7						
		1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
B.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / I.A / 9-12 / 98 / #	

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.6	1.2			SC / III.B / 9-12 / 1 / a			
	MA.4	1.3			SC / VII.A / 9-12 / 4 / a			
	SC.3	1.4			SC / VII.B / 9-12 / 1 / a			
	SC.8	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
B.2	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / *	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.3	1.4						
	SC.8	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						

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Food Science and Technology

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.3	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
B.4	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
B.5	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

KEY:	* = may use all "to do" statements	# = same Frameworks as previous competency
	98 = same Frameworks as previous competency	99 = "to know" statements may not be applicable

Food Science and Technology

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
B.6	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 4 / a	
	HP.6	1.2			SC / III.B / 9-12 / 1 / a		HP / II.B / 9-12 / 8 / a	
	MA.4	1.3			SC / VII.A / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / a	
	SC.3	1.4			SC / VII.B / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / b	
	SC.8	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
B.7	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
B.8	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 4 / a	
	HP.6	1.2			SC / III.B / 9-12 / 1 / a		HP / II.B / 9-12 / 6 / a	
	MA.4	1.3			SC / VII.A / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / a	
	SC.3	1.4			SC / VII.B / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / b	

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
B.9	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
B.10	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						

KEY: * = may use all 'to do' statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = 'to know' statements may not be applicable

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.6						
		3.7						
		3.8						
B.11	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 4 / a	
	HP.6	1.2			SC / III.B / 9-12 / 1 / a		HP / II.B / 9-12 / 8 / a	
	MA.4	1.3			SC / VII.A / 9-12 / 4 / a		HP / II.C / 9-12 / 1 / a	
	SC.3	1.4			SC / VII.B / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / b	
	SC.8	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
B.12	CA.3	1.4	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / III.B / 9-12 / 1 / a			
	MA.1	1.5						
	SC.8	1.8						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
C.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / *	HP / II.B / 9-12 / 4 / a	
	HP.6	1.2			SC / III.B / 9-12 / 1 / a		HP / II.B / 9-12 / 8 / a	

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.4	1.3			SC / VII.A / 9-12 / 4 / a		HP / II.C / 9-12 / 1 / a	
	SC.3	1.4			SC / VII.B / 9-12 / 1 / a		HP / II.C / 9-12 / 1 / b	
	SC.8	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6			SC / VIII.B / 9-12 / 1 / a			
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.2	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.3	1.4						
	SC.8	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.3	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	

KEY: ' = may use all "to do" statements

# = same Frameworks as previous competency

98 = same Frameworks as previous competency

99 = "to know" statements may not be applicable

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	HP.6	1.2						
	MA.4	1.3						
	SC.3	1.4						
	SC.8	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
C.4	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.3	1.4						
	SC.8	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						

KEY: ' = may use all "to do" statements # = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.5	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.3	1.4						
	SC.8	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		4.7						
D.1	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 4 / a	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2			SC / III.B / 9-12 / 1 / a			
	MA.4	1.3			SC / VII.A / 9-12 / 1 / a			
	SC.8	1.4			SC / VII.B / 9-12 / 1 / a			
	SS.4	1.5			SC / VII.B / 9-12 / 3 / a			
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						

KEY: ' = may use all 'to do' statements # = same Frameworks as previous competency
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.7						
D.2	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / *	HP / I.A / 9-12 / 98 / #	FA / IV.A / 9-12 / 4 / a
	FA.4	1.2						
	HP.6	1.3						
	MA.4	1.4						
	SC.8	1.5						
	SS.4	1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.3	CA.3	1.1	MA / IV.. / 9-12 / 3 / *	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / *	HP / I.A / 9-12 / 98 / #	FA / IV.A / 9-12 / 4 / a
	FA.4	1.2						
	HP.6	1.3						
	MA.4	1.4						
	SC.8	1.5						
	SS.4	1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						

KEY:
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Food Science and Technology

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						
D.4	CA.3	1.1	MA / IV.. / 9-12 / 3 / '	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.D / 9-12 / 5 / '	HP / I.A / 9-12 / 98 / #	
	HP.6	1.2						
	MA.4	1.3						
	SC.8	1.4						
	SS.4	1.5						
		1.6						
		1.7						
		1.8						
		1.10						
		2.5						
		3.1						
		3.2						
		3.3						
		3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.7						

KEY:
' = may use all 'to do' statements
# = same Frameworks as previous competency
98 = same Frameworks as previous competency
99 = 'to know' statements may not be applicable

NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3	1.2 4.8		CA / IV.. / 9-12 / 2 / d				
A.2	SS.4 SS.6 SS.7	1.2 4.8				SS / II.D / 9-12 / 2 / n SS / II.D / 9-12 / 3 / n SS / II.D / 9-12 / 4 / n SS / II.D / 9-12 / 5 / n		
B.1	CA.3 SC.5 SC.8	1.3		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
B.2	CA.3 SC.5 SC.8	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a			
B.3	CA.1 CA.3 CA.4 SC.3	1.2 1.6 1.8 2.1		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / b CA / I.. / 9-12 / 2 / c CA / II.. / 9-12 / 6 / a	SC / VII.A / 9-12 / 4 / a			
B.4	CA.1 CA.2 CA.3 CA.4 CA.5 CA.6 CA.7 SC.3 SC.4 SS.4 SS.7	1.1 1.2 1.3 1.4 1.6 1.7 2.1 2.3 2.4 3.1 3.8 4.1 4.3 4.7		CA / I.. / 9-12 / 2 / c CA / II.. / 9-12 / 3 / *	SC / II.A / 9-12 / 1 / a SC / II.A / 9-12 / 2 / a SC / VII.A / 9-12 / 3 / a	SS / III.D / 9-12 / 1 / h SS / III.D / 9-12 / 1 / j		
B.5	CA.2 CA.3 CA.4	1.2 1.3 1.4		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c CA / I.. / 9-12 / 2 / e				

KEY:
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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.5	1.7		CA / I.. / 9-12 / 3 / b				
	CA.6	1.8						
	CA.7	2.1						
		2.3						
C.1	CA.3	1.3		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
	SC.5			CA / I.. / 9-12 / 2 / c				
	SC.8							
C.2	CA.2	1.4		CA / I.. / 9-12 / 2 / d				
	CA.3	1.7						
	CA.4							
	CA.5							
	CA.6							
	CA.7							
C.3	CA.1	1.2	MA / I.. / 9-12 / 3 / a	CA / III.. / 9-12 / 1 / f				
	CA.2	1.4	MA / I.. / 9-12 / 3 / c	CA / III.. / 9-12 / 1 / j				
	CA.3	1.5	MA / I.. / 9-12 / 4 / a					
	CA.4	1.6	MA / I.. / 9-12 / 4 / c					
	CA.5	1.7	MA / III.. / 9-12 / 2 / d					
	CA.6	1.8	MA / III.. / 9-12 / 5 / d					
	CA.7	1.10	MA / IV.. / 9-12 / 1 / c					
	MA.1	2.4	MA / IV.. / 9-12 / 1 / d					
	MA.3	2.7	MA / IV.. / 9-12 / 1 / e					
		3.1	MA / VII.. / 9-12 / 5 / a					
		3.2	MA / VII.. / 9-12 / 5 / g					
		3.3						
		3.5						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.8						
C.4	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	CA.2	1.4						
	CA.3	1.5						
	CA.4	1.6						
	CA.5	1.7						
	CA.6	1.8						
	CA.7	1.10						
	MA.1	2.4						
	MA.3	2.7						
		3.1						
		3.2						
		3.3						
		3.5						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.5	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	CA.2	1.4						
	CA.3	1.5						
	CA.4	1.6						
	CA.5	1.7						
	CA.6	1.8						
	CA.7	1.10						
	MA.1	2.4						
	MA.3	2.7						
		3.1						
		3.2						

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Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.3						
		3.5						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.6	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	CA.2	1.4						
	CA.3	1.5						
	CA.4	1.6						
	CA.5	1.7						
	CA.6	1.8						
	CA.7	1.10						
	MA.1	2.4						
	MA.3	2.7						
		3.1						
		3.2						
		3.3						
		3.5						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.7	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				
	CA.2	1.4						
	CA.3	1.5						
	CA.4	1.6						
	CA.5	1.7						
	CA.6	1.8						
	CA.7	1.10						
	MA.1	2.4						
	MA.3	2.7						
		3.1						
		3.2						
		3.3						
		3.5						
		3.7						
		3.8						
		4.1						
		4.2						
		4.3						
		4.4						
		4.5						
		4.6						
		4.7						
		4.8						
C.8	CA.1	1.1		CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 1 / a	SS / III.D / 9-12 / 1 / h		
	CA.2	1.2		CA / I.. / 9-12 / 2 / c	SC / II.A / 9-12 / 2 / a	SS / III.D / 9-12 / 1 / j		
	CA.3	1.3		CA / I.. / 9-12 / 2 / e	SC / VII.A / 9-12 / 3 / a			
	CA.4	1.4		CA / I.. / 9-12 / 3 / b				
	CA.5	1.6		CA / II.. / 9-12 / 5 / *				
	CA.6	1.7						
	CA.7	1.8						
	SC.3	2.1						
	SC.4	2.3						
	SS.4	2.4						
	SS.7	3.1						
		3.8						

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Competency Profile Date: 1993

Forest Management

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
		4.3						
		4.7						
D.1	CA.1	1.1		CA / I.. / 9-12 / 2 / c	SC / II.A / 9-12 / 1 / a	SS / III.D / 9-12 / 1 / h		
	CA.2	1.2		CA / II.. / 9-12 / 3 / *	SC / II.A / 9-12 / 2 / a	SS / III.D / 9-12 / 1 / j		
	CA.3	1.3			SC / VII.A / 9-12 / 3 / a			
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	2.1						
	SC.3	2.3						
	SC.4	2.4						
	SS.4	3.1						
	SS.7	3.8						
		4.1						
		4.3						
		4.7						
D.2	SC.3	1.1			SC / II.A / 9-12 / 2 / a			
	SC.4	1.2						
		1.6						
		1.7						
		3.1						
		4.1						
D.3	SC.3	1.2			SC / II.A / 9-12 / 2 / a			
	SC.4	1.4			SC / VIII.A / 9-12 / 1 / a			
		1.6						
		2.3						
		3.1						
		3.5						
		4.1						
D.4	SC.3	1.1			SC / II.A / 9-12 / 2 / a			
	SC.4	1.2						
		1.6						
		1.7						

KEY: * = may use all "to do" statements; # = same Frameworks as previous competency; 98 = same Frameworks as previous competency; 99 = "to know" statements may not be applicable

Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		4.1						
D.5	SC.3	1.1			SC / II.A / 9-12 / 2 / a			
	SC.4	1.2			SC / VIII.A / 9-12 / 3 / a			
		1.6			SC / VIII.A / 9-12 / 3 / b			
		1.7						
		3.1						
		4.1						
D.6	CA.1	1.1	MA / IV.. / 9-12 / 3 / d	CA / IV.. / 9-12 / 3 / f	SC / I.A / 9-12 / 3 / a			
	CA.4	3.1			SC / VII.A / 9-12 / 1 / a			
	MA.1	3.6			SC / VII.A / 9-12 / 2 / a			
	SC.3	3.7			SC / VII.D / 9-12 / 4 / a			
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
D.7	CA.1	1.1	MA / I.. / 9-12 / 4 / b	CA / IV.. / 9-12 / 3 / f	SC / I.A / 9-12 / 3 / a			
	CA.4	3.1	MA / I.. / 9-12 / 4 / d		SC / VII.A / 9-12 / 1 / a			
	MA.1	3.6	MA / IV.. / 9-12 / 3 / d		SC / VII.A / 9-12 / 2 / a			
	SC.3	3.7			SC / VII.D / 9-12 / 4 / a			
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
D.8	CA.1	1.5		CA / III.. / 9-12 / 1 / a	SC / I.A / 9-12 / 4 / a			
	CA.3	1.8		CA / III.. / 9-12 / 1 / i				
	CA.6	1.10						
	SC.8	2.1						
		3.1						
		3.7						
E.1	SC.3	1.1			SC / II.A / 9-12 / 2 / a			
	SC.4	1.2			SC / VIII.A / 9-12 / 3 / a			
		1.6			SC / VIII.A / 9-12 / 3 / b			
		1.7						
		3.1						
		4.1						

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
E.2		1.8			SC / VII.C / 9-12 / 2 / a			
		3.5						
E.3	CA.1	1.1		CA / I.. / 9-12 / 2 / a				
	CA.2	1.5		CA / I.. / 9-12 / 2 / b				
	CA.3	1.7		CA / I.. / 9-12 / 2 / c				
	CA.4	1.8		CA / II.. / 9-12 / 5 / a				
	CA.5	2.1		CA / II.. / 9-12 / 5 / b				
	CA.6	2.2		CA / II.. / 9-12 / 5 / c				
		2.3						
		2.4						
		2.7						
E.4	SS.5	1.2			SC / VIII.A / 9-12 / 1 / a	SS / IV.E / 9-12 / 1 / j		
	SS.6	1.4			SC / VIII.A / 9-12 / 2 / a	SS / IV.E / 9-12 / 1 / m		
	SS.7	1.6			SC / VIII.A / 9-12 / 2 / b	SS / IV.E / 9-12 / 2 / j		
		1.8			SC / VIII.A / 9-12 / 3 / a	SS / IV.E / 9-12 / 2 / m		
		2.1			SC / VIII.A / 9-12 / 3 / b			
		2.2						
		2.3						
		2.3						
		2.4						
		2.7						
		3.1						
		3.3						
		3.5						
		3.6						
		3.7						
		3.8						
		4.1						
		4.3						
E.5		1.6			SC / IV.C / 9-12 / 3 / a			
		2.3						
		3.8						
F.1	CA.1	1.2	MA / I.. / 9-12 / 4 / e	CA / I.. / 9-12 / 2 / b	SC / I.A / 9-12 / 4 / a	SS / IV.D / 9-12 / 1 / e		
	MA.1	1.4						

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Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.7	1.5						
	SS.5	1.8						
		1.10						
		2.2						
		3.4						
		3.4						
		3.6						
F.2	SS.4	1.2				SS / II.D / 9-12 / 2 / n		
	SS.6	4.8				SS / II.D / 9-12 / 3 / n		
	SS.7					SS / II.D / 9-12 / 4 / n		
						SS / II.D / 9-12 / 5 / n		
G.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
G.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						
G.3	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
G.4	CA.1	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
	HP.2							
	SS.6							
G.5	CA.1	3.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n		
	HP.2	4.3				SS / II.A / 9-12 / 5 / o		
	SS.6	4.4						
H.1	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
H.2	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7						
H.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.4	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.5	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.6	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
H.7	MA.1	1.4	MA / IV.. / 9-12 / 2 / d					
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					

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NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Greenhouse Operation and Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.1	1.6		CA / I.. / 9-12 / 1 / b		SS / I.D / 9-12 / 2 / h		
	CA.3	1.10		CA / I.. / 9-12 / 2 / c		SS / I.D / 9-12 / 2 / i		
	CA.4	2.1		CA / I.. / 9-12 / 2 / d		SS / I.D / 9-12 / 2 / j		
	CA.6	2.3		CA / I.. / 9-12 / 2 / e				
	SS.2	2.6						
		3.5						
		4.8						
A.2	CA.1	1.4	MA / I.. / 9-12 / 4 / a	CA / I.. / 9-12 / 2 / a		SS / I.A / 9-12 / 2 / b		
	CA.3	1.8	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / b		SS / I.D / 9-12 / 1 / k		
	CA.4	1.10	MA / IV.. / 9-12 / 2 / c	CA / I.. / 9-12 / 3 / f		SS / I.D / 9-12 / 2 / e		
	CA.6	2.1	MA / VII.. / 9-12 / 4 / a	CA / II.. / 9-12 / 5 / a				
	MA.1	2.3		CA / II.. / 9-12 / 5 / b				
	MA.6	3.2		CA / II.. / 9-12 / 5 / c				
	SS.4	4.6		CA / II.. / 9-12 / 5 / d				
	SS.7							
A.3	CA.1	1.1		CA / I.. / 9-12 / 1 / b		SS / II.D / 9-12 / 2 / d		
	CA.3	1.3		CA / I.. / 9-12 / 2 / a		SS / II.D / 9-12 / 2 / e		
	CA.6	1.7		CA / I.. / 9-12 / 2 / c				
	MA.1	1.10		CA / I.. / 9-12 / 2 / d				
	MA.3	2.1		CA / I.. / 9-12 / 2 / e				
	SS.6	2.3						
		2.6						
		4.8						
A.4	CA.1	1.2	MA / II.. / 9-12 / 1 / h	CA / II.. / 9-12 / 3 / c	SC / VI.A / 9-12 / 2 / a	SS / II.D / 9-12 / 3 / j		
	CA.4	1.5						
	MA.3	2.1						
	SC.5	2.3						
	SS.4	3.8						
		4.4						
		4.7						
A.5	CA.1	1.10	MA / I.. / 9-12 / 1 / d		SC / II.A / 9-12 / 2 / a			
	CA.3	2.6	MA / I.. / 9-12 / 1 / e					
	MA.2	3.1						

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Competency Profile Date: 1993

Greenhouse Operation and Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.5	3.8						
		4.7						
A.6	MA.1	1.10	MA / I.. / 9-12 / 1 / d					
	MA.2	3.1	MA / III.. / 9-12 / 3 / b					
	MA.4	3.3						
		3.8						
		4.7						
A.7	CA.1	1.2	MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 2 / c	SC / II.A / 9-12 / 2 / a			
	MA.1	1.10						
	SC.1	2.3						
	SC.8	3.1						
		3.2						
		3.4						
A.8	CA.1	1.1		CA / II.. / 9-12 / 6 / a	SC / III.B / 9-12 / 1 / a	SS / III.D / 9-12 / 5 / a		
	CA.3	1.2			SC / III.B / 9-12 / 2 / a			
	CA.4	1.7			SC / III.B / 9-12 / 3 / a			
	SC.3	1.8						
		1.10						
		2.1						
		2.2						
A.9	CA.1	1.2		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 1 / a			
	CA.4	1.4			SC / VII.A / 9-12 / 3 / a			
	SC.3	1.6			SC / VII.B / 9-12 / 1 / a			
	SC.5	1.8			SC / VII.B / 9-12 / 2 / a			
		2.1			SC / VII.B / 9-12 / 3 / a			
		2.2						
		3.1						
A.10	SC.4	4.4			SC / VIII.A / 9-12 / 2 / a			
A.11	CA.3	1.10	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 6 / c	SC / VII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
	HP.5	2.7	MA / I.. / 9-12 / 1 / c		SC / VII.A / 9-12 / 2 / a		HP / V.B / 9-12 / 1 / a	
	HP.7	3.1	MA / I.. / 9-12 / 1 / d					
	MA.1	3.6						
	SC.3	3.7						
		3.8						

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Competency Profile Date: 1993

Greenhouse Operation and Management

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.4						
		4.8						
A.12	CA.3	1.3		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
	SC.8	2.1		CA / I.. / 9-12 / 2 / c				
	SS.5							
A.13	CA.3	1.4		CA / I.. / 9-12 / 1 / b	SC / VII.D / 9-12 / 2 / a			
	MA.1	3.6		CA / I.. / 9-12 / 2 / c				
	SC.8	4.1						
A.14	CA.1	1.10	MA / I.. / 9-12 / 4 / b	CA / IV.. / 9-12 / 3 / f	SC / I.A / 9-12 / 3 / a			
	CA.4	3.1	MA / I.. / 9-12 / 4 / d		SC / II.A / 9-12 / 1 / a			
	MA.1	3.6	MA / IV.. / 9-12 / 3 / d		SC / II.A / 9-12 / 2 / a			
	SC.3	3.7			SC / VII.D / 9-12 / 4 / a			
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
A.15	MA.1	1.10	MA / I.. / 9-12 / 4 / a					
		4.8						
A.16	CA.1	1.10	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b				
	MA.1	3.1	MA / I.. / 9-12 / 1 / b					
		4.6	MA / I.. / 9-12 / 1 / c					
			MA / I.. / 9-12 / 1 / d					
A.17	CA.3	1.8	MA / I.. / 9-12 / 1 / a	CA / II.. / 9-12 / 6 / a	SC / II.A / 9-12 / 1 / a			
	MA.1	3.1	MA / I.. / 9-12 / 1 / b		SC / VIII.B / 9-12 / 1 / a			
	MA.2	3.2	MA / II.. / 9-12 / 4 / b					
	MA.5	3.3	MA / IV.. / 9-12 / 1 / d					
	SC.8	3.4						
A.18	CA.3	1.8	MA / I.. / 9-12 / 98 / #	CA / II.. / 9-12 / 6 / a	SC / VIII.B / 9-12 / 1 / a			
	MA.1	3.1						
	MA.2	3.2						
	MA.5	3.3						
	SC.8	3.4						
A.19	CA.3	1.3		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a		HP / III.A / 9-12 / 1 / a	
	HP.3	1.10		CA / I.. / 9-12 / 2 / c				

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3	3.8						
	SC.8	4.7						
	SS.5							
A.20	CA.3	3.6		CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.3	4.4						
	SC.3							
A.21	CA.3	3.1	MA / II.. / 9-12 / 1 / a	CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
	HP.7	3.8						
	MA.1	4.8						
	MA.3							
	SC.8							
A.22	MA.1	1.10	MA / I.. / 9-12 / 4 / a					
		4.8						
A.23	CA.1	1.4	MA / II.. / 9-12 / 1 / a	CA / II.. / 9-12 / 6 / a		SS / III.D / 9-12 / 2 / g		
	MA.1	1.7	MA / II.. / 9-12 / 4 / h	CA / III.. / 9-12 / 1 / h				
	MA.3	1.8	MA / IV.. / 9-12 / 2 / d					
	SS.4	1.10						
		3.2						
		3.6						
		3.8						
		4.4						
A.24	CA.1	1.1		CA / I.. / 9-12 / 1 / b		SS / I.D / 9-12 / 7 / I	HP / I.B / 9-12 / 1 / *	
	CA.4	1.2		CA / I.. / 9-12 / 2 / e				
	CA.6	1.7		CA / I.. / 9-12 / 3 / c				
	HP.6	1.10		CA / I.. / 9-12 / 6 / c				
	SC.3	2.3						
	SC.8	3.8						
	SS.3	4.7						
B.1	CA.1	2.1		CA / IV.. / 9-12 / 3 / a				
		2.6						
		4.8						
B.2	CA.4	1.2		CA / IV.. / 9-12 / 2 / d				
		1.8						
		4.8						

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Greenhouse Operation and Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
B.3	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
B.4	CA.1 HP.2 SS.6	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
B.5	CA.1 HP.2 SS.6	3.3 4.3 4.4		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
C.1	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d					
C.2	MA.1	1.4 1.8 3.7		CA / I.. / 9-12 / 98 / #				
C.3	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d MA / V.. / 9-12 / 1 / a					
C.4	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
C.5	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
C.6	MA.1	1.4 1.8 3.7		CA / I.. / 9-12 / 98 / #				
C.7	MA.1	1.4 1.8 3.7		CA / I.. / 9-12 / 98 / #				

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Competency Profile Date: 1993

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3 SC.8 SS.5	1.3 2.1		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
A.2	CA.3 SC.8 SS.5	1.3 2.1		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
A.3	CA.3 SC.8 SS.5	1.3 2.1		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
A.4	CA.3 SC.8 SS.5	1.3 2.1		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
A.5	CA.3 SC.8 SS.5	1.3 2.1		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 1 / m		
B.1	CA.2 CA.3 CA.4 CA.5 CA.6 HP.2 MA.1	1.3 1.7 1.10 2.1 3.2 3.3 3.6	MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 1 / c MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / a	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
B.2	CA.2 CA.3 CA.4 CA.5 CA.6 HP.2 MA.1	1.3 1.7 1.10 2.1 3.2 3.3 3.6	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
B.3	CA.2 CA.3 CA.4 CA.5	1.3 1.7 1.10 2.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.6	3.2						
	HP.2	3.3						
	MA.1	3.6						
B.4	CA.2	1.3	MA / I.. / 9-12 / 96 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
	CA.3	1.7						
	CA.4	1.10						
	CA.5	2.1						
	CA.6	3.2						
	HP.2	3.3						
	MA.1	3.6						
B.5	CA.2	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
	CA.3	1.7						
	CA.4	1.10						
	CA.5	2.1						
	CA.6	3.2						
	HP.2	3.3						
	MA.1	3.6						
B.6	CA.2	1.3	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 1 / b	SC / VIII.A / 9-12 / 1 / a		HP / I.A / 9-12 / 1 / a	
	CA.3	1.7	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a				
	CA.4	1.10	MA / I.. / 9-12 / 1 / c					
	CA.5	2.1	MA / I.. / 9-12 / 1 / d					
	CA.6	3.2						
	HP.2	3.3						
	MA.1	3.6						
C.1	CA.2	1.1	MA / I.. / 9-12 / 1 / c	CA / I.. / 9-12 / 3 / b	SC / II.A / 9-12 / 2 / a	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2	MA / IV.. / 9-12 / 2 / c		SC / VIII.A / 9-12 / 2 / a			
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	1.8						
	FA.2	2.1						
	HP.2	3.1						
	MA.1	3.2						
	SC.3	3.3						

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.4	3.7						
	SC.8	3.8						
	SS.3	4.1						
	SS.6							
	SS.7							
C.2	CA.2	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 3 / b	SC / I.A / 9-12 / 98 / #	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2						
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	1.8						
	FA.2	2.1						
	HP.2	3.1						
	MA.1	3.2						
	SC.3	3.3						
	SC.4	3.7						
	SC.8	3.8						
	SS.3	4.1						
	SS.6							
	SS.7							
C.3	CA.2	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 3 / b	SC / I.A / 9-12 / 98 / #	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2						
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	1.8						
	FA.2	2.1						
	HP.2	3.1						
	MA.1	3.2						
	SC.3	3.3						
	SC.4	3.7						
	SC.8	3.8						
	SS.3	4.1						
	SS.6							
	SS.7							

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.4	CA.2	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 3 / b	SC / I.A / 9-12 / 98 / #	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2						
	CA.4	1.4						
	CA.5	1.6						
	CA.6	1.7						
	CA.7	1.8						
	FA.2	2.1						
	HP.2	3.1						
	MA.1	3.2						
	SC.3	3.3						
	SC.4	3.7						
	SC.8	3.8						
	SS.3	4.1						
	SS.6							
	SS.7							
C.5	CA.5	1.3	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 3 / b		SS / II.E / 9-12 / 4 / f		FA / IV.D / 9-12 / 3 / a
	FA.1	1.8	MA / I.. / 9-12 / 3 / b			SS / II.E / 9-12 / 4 / l		
	FA.4	2.1	MA / I.. / 9-12 / 4 / d					
	MA.1	2.2	MA / IV.. / 9-12 / 3 / d					
	MA.2	3.1						
	SC.3	3.3						
	SC.4	3.6						
	SS.5	3.8						
		4.1						
C.6	CA.5	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 3 / b		SS / I.A / 9-12 / 98 / #		FA / IV.D / 9-12 / 3 / a
	FA.1	1.8						
	FA.4	2.1						
	MA.1	2.2						
	MA.2	3.1						
	SC.3	3.3						
	SC.4	3.6						
	SS.5	3.8						
		4.1						
C.7	CA.5	1.3	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 3 / b		SS / I.A / 9-12 / 98 / #		FA / IV.D / 9-12 / 3 / a
	FA.1	1.8						

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Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	FA.4	2.1						
	MA.1	2.2						
	MA.2	3.1						
	SC.3	3.3						
	SC.4	3.6						
	SS.5	3.8						
		4.1						
C.8	CA.5	1.3	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 3 / b		SS / II.E / 9-12 / 4 / I		FA / IV.D / 9-12 / 3 / a
	FA.1	1.8	MA / I.. / 9-12 / 3 / b			SS / II.E / 9-12 / 4 / I		
	FA.4	2.1	MA / I.. / 9-12 / 4 / d					
	MA.1	2.2	MA / IV.. / 9-12 / 3 / d					
	MA.2	3.1						
	SC.3	3.3						
	SC.4	3.6						
	SS.5	3.8						
		4.1						
C.9	CA.6	1.4	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 3 / b	SC / I.A / 9-12 / 1 / a			
	MA.2	2.1	MA / I.. / 9-12 / 4 / c					
	SC.8	2.3						
		2.7						
		3.1						
		3.8						
		4.1						
C.10	CA.6	1.4	MA / I.. / 9-12 / 3 / b	CA / I.. / 9-12 / 3 / b	SC / I.A / 9-12 / 1 / a			
	MA.2	2.1	MA / I.. / 9-12 / 4 / c					
	SC.8	2.3						
		2.7						
		3.1						
		3.8						
		4.1						
C.11	CA.5	1.6	MA / I.. / 9-12 / 1 / d		SC / I.B / 9-12 / 2 / a			
	CA.6	1.7						
	MA.3	2.3						
	SC.8	3.4						

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7 4.1						
D.1	CA.6	4.7		CA / I.. / 9-12 / 2 / b				
D.2	CA.6	4.7		CA / I.. / 9-12 / 3 / b				
D.3	CA.6	4.7		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c				
D.4	FA.4	1.6						FA / IV.D / 9-12 / 3 / a
D.5	FA.4	1.5 1.6	MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 3 / c CA / II.. / 9-12 / 5 / e CA / II.. / 9-12 / 6 / a		SS / II.B / 9-12 / 4 / j SS / II.B / 9-12 / 4 / l SS / II.B / 9-12 / 4 / o		FA / IV.B / 9-12 / 4 / a
D.6	CA.6 FA.1 MA.1 SS.6	1.5 1.6 2.1 2.5 3.2 4.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
D.7	CA.6 FA.1 MA.1 SS.6	1.5 1.6 2.1 2.5 3.2 4.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
D.8	CA.6 FA.1 MA.1 SS.6	1.5 1.6 2.1 2.5 3.2 4.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
D.9	CA.5 FA.2 HP.2 MA.1	1.10 2.5 3.8 4.4 4.8	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
D.10	CA.5	1.10	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a
	FA.2	2.5						
	HP.2	3.8						
	MA.1	4.4						
		4.8						
D.11	CA.5	1.10	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a
	FA.2	2.5						
	HP.2	3.8						
	MA.1	4.4						
		4.8						
D.12	CA.5	1.10	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a
	FA.2	2.5						
	HP.2	3.8						
	MA.1	4.4						
		4.8						
D.13	CA.5	1.10	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a
	FA.2	2.5						
	HP.2	3.8						
	MA.1	4.4						
		4.8						
D.14	CA.5	1.10	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 6 / d				FA / IV.B / 9-12 / 4 / a
	FA.2	2.5						
	HP.2	3.8						
	MA.1	4.4						
		4.8						
D.15	CA.6	1.6	MA / I.. / 9-12 / 1 / a	CA / II.. / 9-12 / 3 / c				FA / IV.B / 9-12 / 4 / a
	FA.1	2.1	MA / I.. / 9-12 / 1 / b	CA / II.. / 9-12 / 5 / e				FA / IV.D / 9-12 / 2 / a
	FA.2	2.5	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 6 / a				FA / IV.D / 9-12 / 2 / b
	HP.2	3.4						
	MA.1	4.8						
D.16	CA.6	1.6	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #				FA / I.A / 9-12 / 98 / #
	FA.1	2.1						
	FA.2	2.5						
	HP.2	3.4						

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	MA.1	4.8						
D.17	MA.1	1.10 4.8	MA / I.. / 9-12 / 4 / a					
E.1	SC.5	1.2			SC / IV.B / 9-12 / 1 / a			
E.2	MA.1 SC.5	1.2	MA / I.. / 9-12 / 4 / a		SC / IV.B / 9-12 / 1 / a			
E.3	MA.1	1.10 4.8	MA / I.. / 9-12 / 4 / a					
E.4	MA.1	1.10 4.8	MA / I.. / 9-12 / 4 / a					
E.5	MA.1 SC.5	1.2 1.10 4.8	MA / I.. / 9-12 / 4 / a		SC / IV.B / 9-12 / 1 / a			
E.6	CA.1 MA.2 SC.3 SS.7	1.1 2.1 3.1 3.5 4.7	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a SC / VIII.A / 9-12 / 3 / a	SS / I.B / 9-12 / 5 / I		
E.7	MA.1 SC.3 SS.5	1.1 2.7 3.1 3.6 4.1	MA / I.. / 9-12 / 2 / a		SC / VI.B / 9-12 / 1 / a	SS / I.D / 9-12 / 1 / c		
E.8	CA.1 MA.2 SC.3 SS.7	1.1 2.1 3.1 3.5 4.7	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a SC / VIII.A / 9-12 / 3 / a	SS / I.B / 9-12 / 5 / I		
E.9	CA.1 MA.2 SC.3 SS.7	1.1 2.1 3.1 3.5 4.7	MA / I.. / 9-12 / 1 / b	CA / I.. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a SC / VIII.A / 9-12 / 3 / a	SS / I.B / 9-12 / 5 / I		

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Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
F.1	CA.3 SC.4 SS.5	1.10 3.2 4.1		CA / I.. / 9-12 / 3 / a	SC / VI.B / 9-12 / 3 / a	SS / I.E / 9-12 / 2 / e		
F.2	CA.3 MA.1 SC.8	1.4 3.6 4.1	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c	SC / VII.D / 9-12 / 2 / a			
F.3	CA.3 MA.1 SC.8	1.4 3.6 4.1	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c	SC / VII.D / 9-12 / 2 / a			
F.4	CA.3 MA.1 SC.8	1.4 3.6 4.1	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c	SC / VII.D / 9-12 / 2 / a			
F.5	CA.3 MA.1 SC.8	1.4 3.6 4.1	MA / I.. / 9-12 / 3 / a	CA / I.. / 9-12 / 1 / b CA / I.. / 9-12 / 2 / c	SC / VII.D / 9-12 / 2 / a			
F.6	MA.1 SC.4	1.10 3.8 4.8	MA / I.. / 9-12 / 4 / c MA / I.. / 9-12 / 4 / d		SC / VI.B / 9-12 / 4 / a			
G.1	CA.1	4.8		CA / II.. / 9-12 / 3 / c				
G.2	MA.1	4.8	MA / I.. / 9-12 / 3 / c					
G.3	CA.1 CA.4 MA.1 SC.3 SC.7 SC.8 SS.5	1.10 3.1 3.6 3.7 3.8 4.1 4.8	MA / I.. / 9-12 / 4 / b MA / I.. / 9-12 / 4 / d MA / IV.. / 9-12 / 3 / d	CA / IV.. / 9-12 / 3 / f	SC / I.A / 9-12 / 3 / a SC / VII.A / 9-12 / 1 / a SC / VII.A / 9-12 / 2 / a SC / VII.D / 9-12 / 4 / a			
G.4	CA.1 CA.4 MA.1 SC.3 SC.7 SC.8	1.10 3.1 3.6 3.7 3.8 4.1	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / f	SC / I.A / 9-12 / 98 / #			

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	SS.5	4.8						
G.5	CA.1	1.10	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / 1	SC / I.A / 9-12 / 98 / #			
	CA.4	3.1						
	MA.1	3.6						
	SC.3	3.7						
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
G.6	CA.1	1.10	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / 1	SC / I.A / 9-12 / 98 / #			
	CA.4	3.1						
	MA.1	3.6						
	SC.3	3.7						
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
G.7	CA.1	1.10	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / 1	SC / I.A / 9-12 / 98 / #			
	CA.4	3.1						
	MA.1	3.6						
	SC.3	3.7						
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
G.8	CA.1	1.10	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / 1	SC / I.A / 9-12 / 98 / #			
	CA.4	3.1						
	MA.1	3.6						
	SC.3	3.7						
	SC.7	3.8						
	SC.8	4.1						
	SS.5	4.8						
G.9	CA.1	1.10	MA / I.. / 9-12 / 98 / #	CA / IV.. / 9-12 / 3 / 1	SC / I.A / 9-12 / 98 / #			
	CA.4	3.1						
	MA.1	3.6						
	SC.3	3.7						
	SC.7	3.8						

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	SC.8 SS.5	4.1 4.8						
H.1	SC.3	1.10 4.8			SC / VII.A / 9-12 / 1 / a			
H.2	SC.3	1.10 4.8			SC / VII.A / 9-12 / 1 / a			
H.3	SC.3	1.10 4.8			SC / VII.A / 9-12 / 1 / a			
H.4	CA.3 HP.5 HP.7 MA.1 SC.3	1.10 2.7 3.1 3.6 3.7 3.8 4.4 4.8	MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 1 / c MA / I.. / 9-12 / 1 / d	CA / I.. / 9-12 / 6 / c	SC / VII.A / 9-12 / 2 / a		HP / I.A / 9-12 / 1 / ' HP / V.B / 9-12 / 1 / a	
H.5	SC.4	4.4			SC / VII.A / 9-12 / 2 / a			
H.6	SC.4	4.4			SC / VII.A / 9-12 / 2 / a			
H.7	SC.4	4.4			SC / VII.A / 9-12 / 2 / a			
H.8	SC.4	4.4			SC / VII.A / 9-12 / 2 / a			
H.9	SC.4	4.4			SC / VIII.A / 9-12 / 2 / a			
H.10	SC.4	4.4			SC / VIII.A / 9-12 / 2 / a			
H.11	SC.4	4.4			SC / VIII.A / 9-12 / 2 / a			
H.12	MA.1 MA.5 SC.8	1.10 4.8	MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 1 / c MA / I.. / 9-12 / 4 / a MA / I.. / 9-12 / 4 / b MA / I.. / 9-12 / 4 / c		SC / VI.A / 9-12 / 1 / a SC / VIII.B / 9-12 / 1 / a			
H.13	MA.1 MA.5	1.10 4.8	MA / I.. / 9-12 / 98 / #		SC / I.A / 9-12 / 98 / #			

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	SC.8							
H.14	MA.5	1.10 4.8	MA / I.. / 9-12 / 1 / a					
H.15	MA.5 SC.8	1.10 4.8	MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 1 / b MA / I.. / 9-12 / 1 / c MA / I.. / 9-12 / 4 / a MA / I.. / 9-12 / 4 / b MA / I.. / 9-12 / 4 / c					
H.16	MA.5 SC.8	1.10 4.8	MA / I.. / 9-12 / 98 / #					
I.1	CA.3 MA.1 MA.2 MA.5 SC.8	1.8 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.8	MA / I.. / 9-12 / 1 / a MA / I.. / 9-12 / 1 / b MA / II.. / 9-12 / 4 / b MA / IV.. / 9-12 / 1 / d MA / V.. / 9-12 / 1 / *	CA / II.. / 9-12 / 6 / a	SC / II.A / 9-12 / 1 / a SC / VIII.B / 9-12 / 1 / a			
I.2	CA.3 MA.1 MA.2 MA.5 SC.8	1.8 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 4.8	MA / I.. / 9-12 / 98 / #	CA / II.. / 9-12 / 6 / a	SC / I.A / 9-12 / 98 / #			
I.3	CA.3 MA.1 MA.2	1.8 3.1 3.2	MA / I.. / 9-12 / 98 / #	CA / II.. / 9-12 / 6 / a	SC / I.A / 9-12 / 98 / #			

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	MA.5	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.8						
1.4	CA.3	1.8	MA/I../9-12/98/#	CA/II../9-12/6/a	SC/I.A/9-12/98/#			
	MA.1	3.1						
	MA.2	3.2						
	MA.5	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.8						
1.5	CA.3	1.8	MA/I../9-12/98/#	CA/II../9-12/6/a	SC/I.A/9-12/98/#			
	MA.1	3.1						
	MA.2	3.2						
	MA.5	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						
		3.8						
		4.8						
1.6	CA.3	1.8	MA/I../9-12/98/#	CA/II../9-12/6/a	SC/I.A/9-12/98/#			
	MA.1	3.1						
	MA.2	3.2						
	MA.5	3.3						
	SC.8	3.4						
		3.5						
		3.6						
		3.7						

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Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8 4.8						
J.1	CA.3 SS.5	1.3		CA / IL. / 9-12 / 2 / a CA / IL. / 9-12 / 2 / c	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 99 / m		
J.2	CA.3 SS.5	1.3		CA / IL. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 99 / m		
J.3	CA.3 SS.5	1.3		CA / IL. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 99 / m		
J.4	CA.3 SS.5	1.3		CA / IL. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 99 / m		
J.5	CA.3 SS.5	1.3		CA / IL. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / I.A / 9-12 / 99 / m		
J.6	CA.3 HP.3 SC.3	3.6 4.4		CA / IL. / 9-12 / 2 / a	SC / II.A / 9-12 / 2 / a		HP / III.A / 9-12 / 1 / a	
J.7	CA.3 HP.7 MA.1 MA.3 SC.8	3.1 3.8 4.8						
J.8	CA.3 HP.7 MA.1 MA.3 SC.8	3.1 3.8 4.8						
J.9	SC.8	1.2 2.1 3.8 4.8			SC / II.A / 9-12 / 2 / a			
J.10	HP.3 SC.8	4.8					HP / III.A / 9-12 / 11 / a HP / III.A / 9-12 / 12 / *	
J.11	HP.3 SC.8	4.8					HP / I.A / 9-12 / 98 / #	

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
J.12	HP.3 SC.8	4.8					HP / I.A / 9-12 / 98 / #	
J.13	HP.3	1.10 3.8 4.8					HP / III.A / 9-12 / 2 / *	
J.14	CA.3 HP.3 HP.7 MA.1	1.10 3.4 3.8 4.1	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 1 / c			HP / V.B / 9-12 / 1 / a HP / V.B / 9-12 / 1 / b	
K.1	CA.5 MA.1	1.10 4.8	MA / II.. / 9-12 / 1 / d	CA / I.. / 9-12 / 1 / c				
K.2	MA.1	1.10 4.8	MA / IV.. / 9-12 / 2 / c					
K.3	MA.1	1.10 4.8	MA / IV.. / 9-12 / 2 / c					
K.4	MA.1	1.10 4.8	MA / IV.. / 9-12 / 2 / c					
K.5	CA.3 SC.8	1.10 4.8		CA / I.. / 9-12 / 1 / c	SC / II.A / 9-12 / 1 / a SC / II.A / 9-12 / 2 / a			
K.6	CA.3 SC.8	1.10 4.8		CA / I.. / 9-12 / 1 / c	SC / I.A / 9-12 / 98 / #			
L.1	MA.1	1.10 4.4 4.8	MA / IV.. / 9-12 / 2 / c					
L.2	SC.4	1.10 4.4 4.8			SC / VIII.A / 9-12 / 2 / a			
L.3	CA.7 MA.1 SS.4	1.10 3.8 4.8	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 4 / b		SS / I.D / 9-12 / 2 / h SS / I.D / 9-12 / 4 / n		
L.4	CA.7 MA.1	1.10 3.8	MA / I.. / 9-12 / 4 / d MA / IV.. / 9-12 / 2 / c	CA / II.. / 9-12 / 4 / b				

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.4	4.4						
	SS.4	4.8						
L.5	CA.7	1.10	MA / I.. / 9-12 / 4 / d	CA / II.. / 9-12 / 4 / b				
	MA.1	3.8	MA / IV.. / 9-12 / 2 / c					
	SC.4	4.4						
	SS.4	4.8						
L.6	MA.1	4.8	MA / I.. / 9-12 / 4 / d					
			MA / IV.. / 9-12 / 2 / c					
L.7	CA.6	2.6		CA / I.. / 9-12 / 1 / a		SS / I.A / 9-12 / 1 / c		
	SS.3	4.8		CA / I.. / 9-12 / 1 / b		SS / I.B / 9-12 / 1 / a		
M.1								
M.2								
M.3								
M.4								
M.5								
M.6	CA.3	4.8		CA / III.. / 9-12 / 1 / f				
				CA / III.. / 9-12 / 1 / j				
M.7	CA.3	4.8		CA / III.. / 9-12 / 1 / f				
M.8	CA.3	1.6	MA / II.. / 9-12 / 3 / a	CA / IV.. / 9-12 / 1 / f				
	MA.1	3.1	MA / II.. / 9-12 / 3 / h	CA / IV.. / 9-12 / 1 / g				
		3.2						
		3.6						
		3.8						
M.9	CA.3	1.10		CA / IV.. / 9-12 / 1 / f				
		2.1		CA / IV.. / 9-12 / 1 / g				
		3.1						
		3.8						
M.10	CA.3	1.10		CA / I.. / 9-12 / 98 / #				
		2.1						
		3.1						
		3.8						

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Horticulture

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
M.11	CA.3	1.10 2.1 3.1 3.8		CA / I.. / 9-12 / 1 / #				

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NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.1 CA.4 FA.2 HP.2 MA.3 SC.8 SS.4	1.1 1.2 1.5 1.10 2.1 2.4 3.4 3.7 3.8 4.1	MA / III.. / 9-12 / 1 / b	CA / III.. / 9-12 / 1 / d	SC / VIII.A / 9-12 / 3 / b	SS / I.D / 9-12 / 1 / b		
A.2	SS.6 SS.7	2.6 4.6 4.8	MA / IV.. / 9-12 / 3 / d	CA / IV.. / 9-12 / 2 / d	SC / VIII.A / 9-12 / 3 / b	SS / II.D / 9-12 / 1 / n	HP / II.D / 9-12 / 1 / a	FA / IV.A / 9-12 / 5 / a
B.1	CA.4 SC.3	1.2 1.3 1.4 1.6 2.1	MA / VII.. / 9-12 / 5 / i	CA / I.. / 9-12 / 2 / b	SC / VII.A / 9-12 / 1 / a	SS / III.C / 9-12 / 1 / b	HP / I.A / 9-12 / 4 / b	FA / IV.C / 9-12 / 1 / a
B.2	SC.1 SC.4 SC.6 SS.5 SS.7	1.2 1.3 1.4 1.6 2.1	MA / VII.. / 9-12 / 1 / c	CA / I.. / 9-12 / 2 / c	SC / VI.A / 9-12 / 1 / a	SS / II.E / 9-12 / 2 / c		
B.3	SC.3 SC.4 SC.6 SS.5	1.1 1.2 1.3 1.4 2.1 3.1 3.4	MA / I.. / 9-12 / 1 / b		SC / VI.B / 9-12 / 4 / a			
C.1	CA.1 SC.7 SS.5	1.3 1.7 4.8		CA / I.. / 9-12 / 2 / a CA / I.. / 9-12 / 2 / c	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c SS / III.E / 9-12 / 3 / g		

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
C.2	CA.1	1.3		CA / I.. / 9-12 / 2 / a	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7		CA / I.. / 9-12 / 2 / c		SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
C.3	CA.1	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7				SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
C.4	CA.1	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7				SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
C.5	CA.1	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7				SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
C.6	CA.1	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7				SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
C.7	CA.1	1.3		CA / I.. / 9-12 / 98 / #	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 3 / c		
	SC.7	1.7				SS / III.E / 9-12 / 3 / g		
	SS.5	4.8						
D.1	CA.1	1.3	MA / I.. / 9-12 / 4 / e	CA / I.. / 9-12 / 2 / b	SC / I.A / 9-12 / 4 / a	SS / IV.D / 9-12 / 1 / e		
	CA.3	1.4						
	MA.1	1.5						
	SC.7	2.6						
	SS.5	3.1						
		3.4						
		3.6						
		4.7						
D.2	CA.1	1.3	MA / I.. / 9-12 / 4 / e	CA / I.. / 9-12 / 2 / b	SC / I.A / 9-12 / 4 / a	SS / IV.D / 9-12 / 1 / e		
	CA.3	1.4						
	MA.1	1.5						
	SC.7	2.6						
	SS.5	3.1						
		3.4						
		3.6						
		4.7						

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
E.1	CA.3	1.3	MA / I.. / 9-12 / 2 / b	CA / I.. / 9-12 / 2 / d			HP / I.A / 9-12 / 3 / a	
	HP.6	1.6		CA / I.. / 9-12 / 3 / a				
	MA.2	2.1		CA / I.. / 9-12 / 6 / c				
	SC.3	2.7						
	SC.8	3.1						
		3.4						
		3.5						
		3.6						
		4.7						
E.2	CA.3	1.3	MA / I.. / 9-12 / 2 / b	CA / I.. / 9-12 / 98 / #			HP / I.A / 9-12 / 3 / a	
	HP.6	1.6						
	HP.6	2.1						
	MA.2	2.7						
	SC.3	3.1						
	SC.8	3.4						
		3.5						
		3.6						
		4.7						
E.3	CA.3	1.3	MA / I.. / 9-12 / 2 / b	CA / I.. / 9-12 / 2 / d			HP / I.A / 9-12 / 3 / a	
	HP.6	1.6		CA / I.. / 9-12 / 3 / a				
	MA.2	2.1		CA / I.. / 9-12 / 6 / c				
	SC.3	2.7						
	SC.8	3.1						
		3.4						
		3.5						
		3.6						
		4.7						
F.1	CA.3	1.2	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / j	HP / I.A / 9-12 / 2 / *	
	HP.6	1.3			SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
	SC.3	1.4						
	SC.4	1.5						
	SC.5	1.8						
	SS.5	2.1						
		3.4						
		4.1						

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.6						
		4.7						
F.2	CA.3	1.2	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / j	HP / I.A / 9-12 / 2 / *	
	HP.6	1.3			SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
	SC.3	1.4						
	SC.4	1.5						
	SC.5	1.8						
	SS.5	2.1						
		3.4						
		4.1						
		4.6						
		4.7						
F.3	CA.3	1.2	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / j	HP / I.A / 9-12 / 2 / *	
	HP.6	1.3			SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
	SC.3	1.4						
	SC.4	1.5						
	SC.5	1.8						
	SS.5	2.1						
		3.4						
		4.1						
		4.6						
		4.7						
F.4	CA.3	1.2	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / j	HP / I.A / 9-12 / 2 / *	
	HP.6	1.3			SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
	SC.3	1.4						
	SC.4	1.5						
	SC.5	1.8						
	SS.5	2.1						
		3.4						
		4.1						
		4.6						
		4.7						
F.5	CA.3	1.2	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / j	HP / I.A / 9-12 / 2 / *	
	HP.6	1.3			SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3 SC.4 SC.5 SS.5	1.4 1.5 1.8 2.1 3.4 4.1 4.6 4.7						
F.6	CA.3 HP.6 SC.3 SC.4 SC.5 SS.5	1.2 1.3 1.4 1.5 1.8 2.1 3.4 4.1 4.6 4.7	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VII.A / 9-12 / 4 / a SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / j SS / III.E / 9-12 / 4 / o	HP / I.A / 9-12 / 2 / *	
G.1	MA.2 SC.3 SC.4 SS.5	1.3 1.4 1.7 1.10 2.7 4.7	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
G.2	MA.2 SC.3 SC.4 SS.5	1.3 1.4 1.7 1.10 2.7 4.7	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a SC / VIII.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / o		
H.1	CA.3 HP.3 MA.1 MA.2	1.3 2.1 2.6 3.5	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / c SS / III.E / 9-12 / 4 / e	HP / I.A / 9-12 / 2 / *	

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Landscaping and Turf Management

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3	3.8						
	SC.4	4.7						
	SS.5							
H.2	CA.3	1.3	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / c	HP / I.A / 9-12 / 2 / '	
	HP.3	2.1			SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / e		
	MA.1	2.6						
	MA.2	3.5						
	SC.3	3.8						
	SC.4	4.7						
	SS.5							
H.3	CA.3	1.3	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / c	HP / I.A / 9-12 / 2 / '	
	HP.3	2.1			SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / e		
	MA.1	2.6						
	MA.2	3.5						
	SC.3	3.8						
	SC.4	4.7						
	SS.5							
H.4	CA.3	1.3	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / c	HP / I.A / 9-12 / 2 / '	
	HP.3	2.1			SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / e		
	MA.1	2.6						
	MA.2	3.5						
	SC.3	3.8						
	SC.4	4.7						
	SS.5							
H.5	CA.3	1.3	MA / I.. / 9-12 / 1 / e	CA / I.. / 9-12 / 1 / b	SC / VI.A / 9-12 / 1 / a	SS / III.E / 9-12 / 4 / c	HP / I.A / 9-12 / 2 / '	
	HP.3	2.1			SC / VII.A / 9-12 / 4 / a	SS / III.E / 9-12 / 4 / e		
	MA.1	2.6						
	MA.2	3.5						
	SC.3	3.8						
	SC.4	4.7						
	SS.5							
I.1.	CA.1	1.1	MA / I.. / 9-12 / 1 / c	CA / I.. / 9-12 / 3 / b	SC / II.A / 9-12 / 2 / a	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2	MA / IV.. / 9-12 / 2 / c		SC / VIII.A / 9-12 / 2 / a			
	FA.2	1.3						

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Landscaping and Turf Management

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.3	1.4						
	SC.4	1.5						
	SC.8	1.8						
	SS.3	2.1						
	SS.6	2.5						
	SS.7	3.1						
		3.3						
		3.7						
		3.8						
I.2	CA.1	1.1	MA / I.. / 9-12 / 1 / c	CA / I.. / 9-12 / 3 / b	SC / II.A / 9-12 / 2 / a	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2	MA / IV.. / 9-12 / 2 / c		SC / VIII.A / 9-12 / 2 / a			
	FA.2	1.3						
	SC.3	1.4						
	SC.4	1.5						
	SC.8	1.8						
	SS.3	2.1						
	SS.6	2.5						
	SS.7	3.1						
		3.3						
		3.7						
		3.8						
I.3	CA.1	1.1	MA / I.. / 9-12 / 1 / c	CA / I.. / 9-12 / 3 / b	SC / II.A / 9-12 / 2 / a	SS / II.A / 9-12 / 4 / e	HP / I.B / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / b
	CA.3	1.2	MA / IV.. / 9-12 / 2 / c		SC / VIII.A / 9-12 / 2 / a			
	FA.2	1.3						
	SC.3	1.4						
	SC.4	1.5						
	SC.8	1.8						
	SS.3	2.1						
	SS.6	2.5						
	SS.7	3.1						
		3.3						
		3.7						
		3.8						
J.1	CA.1	1.1		CA / I.. / 9-12 / 1 / b	SC / II.A / 9-12 / 2 / a	SS / IV.E / 9-12 / 2 / b		FA / IV.B / 9-12 / 3 / a
	CA.5	1.2		CA / I.. / 9-12 / 2 / '	SC / VI.A / 9-12 / 1 / a	SS / IV.E / 9-12 / 2 / g		FA / IV.B / 9-12 / 4 / a

KEY: ' = may use all 'to do' statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = 'to know' statements may not be applicable

Competency Profile Date: 1994

Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.6	1.4			SC / VI.A / 9-12 / 2 / a			
	FA.2	1.6			SC / VI.B / 9-12 / 4 / a			
	SC.3	1.8			SC / VII.A / 9-12 / 4 / a			
	SC.4	1.9			SC / VII.B / 9-12 / 2 / a			
	SC.5	1.10			SC / VIII.A / 9-12 / 1 / a			
	SC.8	2.2						
	SS.5	2.4						
		2.5						
		3.1						
		3.4						
		3.8						
		4.1						
		4.8						
J.2	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #		SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.2						
	CA.6	1.4						
	FA.2	1.6						
	SC.3	1.8						
	SC.4	1.9						
	SC.5	1.10						
	SC.8	2.2						
	SS.5	2.4						
		2.5						
		3.1						
		3.4						
		3.8						
		4.1						
		4.8						
J.3	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.2						
	CA.6	1.4						
	FA.2	1.6						
	SC.3	1.8						
	SC.4	1.9						
	SC.5	1.10						

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	2.2						
	SS.5	2.4						
		2.5						
		3.1						
		3.4						
		3.8						
		4.1						
		4.8						
J.4	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.2						
	CA.6	1.4						
	FA.2	1.6						
	SC.3	1.8						
	SC.4	1.9						
	SC.5	1.10						
	SC.8	2.2						
	SS.5	2.4						
		2.5						
		3.1						
		3.4						
		3.8						
		4.1						
		4.8						
J.5	CA.1	1.1		CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #			
	CA.5	1.2						
	CA.6	1.4						
	FA.2	1.6						
	SC.3	1.8						
	SC.4	1.9						
	SC.5	1.10						
	SC.8	2.2						
	SS.5	2.4						
		2.5						
		3.1						
		3.4						

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Competency Profile Date: 1994

Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.8						
		4.1						
		4.8						
K.1	CA.1	1.2	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.4	MA / I.. / 9-12 / 4 / e					
	CA.6	1.5						
	FA.2	1.8						
	MA.1	2.1						
	MA.2	2.2						
	SC.8	2.5						
	SS.5	2.7						
	SS.7	3.4						
		3.8						
		4.1						
		4.5						
		4.8						
K.2	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.4						
	CA.6	1.5						
	FA.2	1.8						
	MA.1	2.1						
	MA.2	2.2						
	SC.8	2.5						
	SS.5	2.7						
	SS.7	3.4						
		3.8						
		4.1						
		4.5						
		4.8						
K.3	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.4						
	CA.6	1.5						
	FA.2	1.8						
	MA.1	2.1						
	MA.2	2.2						

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	SC.8	2.5						
	SS.5	2.7						
	SS.7	3.4						
		3.8						
		4.1						
		4.5						
		4.8						
K.4	CA.1	1.2	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 98 / #	SC / I.A / 9-12 / 98 / #	SS / I.A / 9-12 / 98 / #		FA / I.A / 9-12 / 98 / #
	CA.5	1.4						
	CA.6	1.5						
	FA.2	1.8						
	MA.1	2.1						
	MA.2	2.2						
	SC.8	2.5						
	SS.5	2.7						
	SS.7	3.4						
		3.8						
		4.1						
		4.5						
		4.8						
L.1	CA.1	1.1	MA / I.. / 9-12 / 4 / d	CA / I.. / 9-12 / 2 / *		SS / IV.E / 9-12 / 2 / b	HP / IV.D / 9-12 / 1 / a	FA / IV.B / 9-12 / 3 / a
	CA.2	1.2	MA / I.. / 9-12 / 4 / e			SS / IV.E / 9-12 / 2 / g	HP / IV.D / 9-12 / 1 / b	
	FA.2	1.4	MA / V.. / 9-12 / 1 / *				HP / IV.D / 9-12 / 2 / a	
	HP.4	1.6	MA / V.. / 9-12 / 2 / *				HP / IV.D / 9-12 / 3 / a	
	MA.1	1.8	MA / V.. / 9-12 / 3 / *					
	MA.2	1.9	MA / V.. / 9-12 / 4 / *					
	MA.5	1.10	MA / VI.. / 9-12 / 1 / b					
	SS.7	2.1	MA / VI.. / 9-12 / 1 / i					
		2.5	MA / VI.. / 9-12 / 3 / b					
		2.7	MA / VI.. / 9-12 / 3 / i					
		3.1	MA / VIII.. / 9-12 / 1 / *					
		3.4	MA / VIII.. / 9-12 / 2 / *					
		3.8	MA / VIII.. / 9-12 / 3 / *					
		4.4	MA / VIII.. / 9-12 / 4 / *					
		4.5	MA / VIII.. / 9-12 / 5 / *					

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Competency Profile Date: 1994

Landscaping and Turf Management

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
L.2	CA.1	1.1	MA / I.. / 9-12 / 98 / #	CA / I.. / 9-12 / 2 / *		SS / I.A / 9-12 / 98 / #	HP / I.A / 9-12 / 98 / #	FA / IV.B / 9-12 / 3 / a
	CA.2	1.2						
	FA.2	1.4						
	HP.4	1.6						
	MA.1	1.8						
	MA.2	1.9						
	MA.5	1.10						
	SS.7	2.1						
		2.5						
		2.7						
		3.1						
		3.4						
		3.8						
		4.4						
		4.5						

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NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
A.1	CA.3	1.4		CA / I.. / 9-12 / 1 / b				
	CA.4	1.8		CA / II.. / 9-12 / 3 / a				
	CA.5	1.10		CA / II.. / 9-12 / 3 / b				
	CA.6	2.1		CA / II.. / 9-12 / 3 / c				
		2.2		CA / II.. / 9-12 / 4 / a				
		2.3		CA / II.. / 9-12 / 5 / a				
		2.4		CA / II.. / 9-12 / 5 / c				
		2.5		CA / II.. / 9-12 / 5 / d				
		2.7		CA / II.. / 9-12 / 5 / e				
		3.1						
		3.8						
A.2	CA.3	1.4		CA / I.. / 9-12 / 98 / #		SS / II.C / 9-12 / 3 / k		
	CA.4	1.4				SS / II.C / 9-12 / 3 / l		
	CA.5	1.5				SS / II.D / 9-12 / 5 / d		
	CA.6	1.8				SS / II.D / 9-12 / 5 / k		
	SS.2	1.10				SS / II.D / 9-12 / 5 / n		
	SS.4	1.10				SS / IV.D / 9-12 / 1 / d		
	SS.6	2.1				SS / IV.D / 9-12 / 1 / h		
	SS.7	2.1				SS / IV.D / 9-12 / 1 / i		
		2.2						
		2.3						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.1						
		3.3						
		3.4						
		3.7						
		3.8						
		3.8						
		4.8						
A.3	MA.1	1.4	MA / IV.. / 9-12 / 2 / d	CA / I.. / 9-12 / 98 / #				

612

KEY:	
* = may use all "to do" statements	# = same Frameworks as previous competency
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Competency Profile Date: 1993

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		1.8	MA / IV.. / 9-12 / 3 / d					
		3.7	MA / V.. / 9-12 / 1 / a					
A.4	MA.1	1.6	MA / V.. / 9-12 / 1 / c			SS / I.D / 9-12 / 3 / g		
	MA.3	1.8				SS / I.D / 9-12 / 3 / h		
	SS.4	1.10				SS / IV.D / 9-12 / 3 / k		
	SS.6	3.1				SS / IV.D / 9-12 / 3 / l		
	SS.7	3.2						
		3.3						
		3.6						
		3.7						
		3.8						
		4.1						
		4.3						
A.5	CA.3	1.4	MA / V.. / 9-12 / 1 / c	CA / I.. / 9-12 / 98 / #				
	CA.4	1.6						
	CA.5	1.8						
	CA.6	1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.3						
		3.8						
		4.1						
A.6	CA.3	1.4	MA / V.. / 9-12 / 1 / c					
	CA.4	1.6						
	CA.5	1.8						
	CA.6	1.10						
		2.1						
		2.2						
		2.3						
		2.4						

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.7						
		3.1						
		3.3						
		3.8						
		4.1						
A.7	CA.3	1.4		CA / I.. / 9-12 / 1 / b				
	CA.4	1.8		CA / II.. / 9-12 / 3 / a				
	CA.5	1.10		CA / II.. / 9-12 / 3 / b				
	CA.6	2.1		CA / II.. / 9-12 / 3 / c				
		2.2		CA / II.. / 9-12 / 4 / a				
		2.3		CA / II.. / 9-12 / 5 / a				
		2.4		CA / II.. / 9-12 / 5 / c				
		2.5		CA / II.. / 9-12 / 5 / d				
		2.7		CA / II.. / 9-12 / 5 / e				
		3.1						
		3.8						
B.1	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.2	MA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4	MA / I.. / 9-12 / 1 / c					
		1.6	MA / VI.. / 9-12 / 2 / c					
		1.8	MA / VII.. / 9-12 / 5 / a					
		1.8						
		1.10						
		1.10						
		2.1						

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.2						
		2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1'						
		3.3						
		3.8						
		4.1						
B.3	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.4	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.5	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.6	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.7	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.8	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
B.9	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
C.1	CA.3	1.4		CA / I.. / 9-12 / 1 / c				
	CA.4	1.8		CA / II.. / 9-12 / 1 / a				
	CA.5	1.10		CA / II.. / 9-12 / 1 / c				
	CA.6	2.1		CA / II.. / 9-12 / 1 / c				
		2.2		CA / II.. / 9-12 / 1 / c				
		2.3		CA / II.. / 9-12 / 1 / d				
		2.4		CA / II.. / 9-12 / 2 / a				
		2.5		CA / II.. / 9-12 / 4 / a				
		2.7		CA / II.. / 9-12 / 4 / c				
		3.1		CA / II.. / 9-12 / 4 / d				
		3.8		CA / II.. / 9-12 / 4 / e				
C.2	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.5						
		2.7						
		3.1						
		3.8						
C.3	CA.3	1.4		CA / 1.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.1	CA.3	1.4		CA / 1.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.2	CA.3	1.4		CA / 1.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.1						
		3.8						
D.3	MA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4	MA / I.. / 9-12 / 1 / c					
		1.6	MA / IV.. / 9-12 / 2 / c					
		1.8	MA / VII.. / 9-12 / 5 / a					
		1.8						
		1.10						
		1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.3						
		3.8						
		4.1						
D.4	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.5	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.6	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.7	MA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4	MA / I.. / 9-12 / 1 / c					
		1.6	MA / IV.. / 9-12 / 2 / c					
		1.8	MA / VII.. / 9-12 / 5 / a					
		1.8						
		1.10						
		1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.6						
		2.7						
		3.1						
		3.3						
		3.8						

KEY:
' = may use all 'to do' statements
98 = same Frameworks as previous competency
# = same Frameworks as previous competency
99 = 'to know' statements may not be applicable

Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		4.1						
D.8	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.9	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		3.1						
		3.8						
D.10	MA.1	1.1	MA / I.. / 9-12 / 1 / a	CA / I.. / 9-12 / 98 / #				
	MA.3	1.4	MA / I.. / 9-12 / 1 / c					
		1.6	MA / IV.. / 9-12 / 2 / c					
		1.8	MA / VII.. / 9-12 / 5 / a					
		1.8						
		1.10						
		1.10						
		2.1						
		2.2						
		2.3						
		2.4						
		2.5						

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.6						
		2.7						
		3.1						
		3.3						
		3.8						
		4.1						
D.11	CA.3	1.4		CA / I.. / 9-12 / 98 / #				
	CA.4	1.8						
	CA.5	1.10						
	CA.6	2.1						
		2.2						
		2.3						
		2.4						
		2.7						
		3.1						
		3.8						
D.12	CA.3	1.4		CA / I.. / 9-12 / 98 / #	SC / VII.B / 9-12 / 1 / a			
	CA.4	1.8						
	CA.5	1.10						
	CA.6	1.10						
	SC.3	2.1						
	SC.4	2.2						
		2.3						
		2.4						
		2.5						
		2.7						
		2.7						
		3.1						
		3.8						
D.13	CA.3	1.4		CA / I.. / 9-12 / 98 / #	SC / VII.B / 9-12 / 1 / a			
	CA.4	1.8						
	CA.5	1.10						
	CA.6	1.10						
	SC.3	2.1						
	SC.4	2.2						

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		2.3 2.4 2.5 2.7 2.7 3.1 3.8						
E.1	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.2	CA.4	1.2 1.8 4.8		CA / IV.. / 9-12 / 2 / d				
E.3	CA.1	2.1 2.6 4.8		CA / IV.. / 9-12 / 3 / a				
E.4	CA.1 HP.2 SS.6	4.3		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 1 / o	HP / I.B / 9-12 / 6 / a	
E.5	CA.1 HP.2 SS.6	3.3 4.3 4.4		CA / II.. / 9-12 / 6 / a		SS / II.A / 9-12 / 5 / n SS / II.A / 9-12 / 5 / o		
F.1	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d					
F.2	MA.1	1.4 1.8 3.7	MA / I.. / 9-12 / 98 / #					
F.3	MA.1	1.4 1.8 3.7	MA / IV.. / 9-12 / 2 / d MA / IV.. / 9-12 / 3 / d MA / V.. / 9-12 / 1 / a					
F.4	MA.1	1.4 1.8	MA / I.. / 9-12 / 98 / #					

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (main report)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)	Math	Communication Arts	Science	Social Studies	Health / Physical Education	Fine Arts
		3.7						
F.5	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.6	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						
F.7	MA.1	1.4	MA / I.. / 9-12 / 98 / #					
		1.8						
		3.7						

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Competency Profile Date: 1993

Title: Welding (Basic Skills)
Competency Profile: Agricultural Construction (1994)
Instructor(s) name: Bob McNary
Grade level: 10-12
Teaching time frame: 1 quarter

Rationale: Welding is essential to making a round hay-bale feeder to be used on a farm.

Unit description: Welding and its applications in agricultural construction.

Competencies (Tasks)	Frameworks (To Know and To Do)	Frameworks (To Know and To Do)
A1. List the safety procedures for arc welding. A2. Identify the various types of metals and their properties. A3. Prepare metals for welding by cutting, grinding, and/or cleaning. A4. Weld in all positions with stick welder [Shielded Metal Arc Welding] A5. Weld in all positions with MIG welder [Gas Metal Arc Welding] A6. Hardsurface areas where extensive wear may occur. A7. Weld cast iron. A8. Weld pipe.	*Math* **MA/I/9-12/4/a-e** Mathematical problem-solving strategies can apply to all disciplines and real-world problems. Use problem-solving strategies to investigate and understand mathematical content. Recognize and formulate problems from situations within and outside mathematics. Organize, develop and apply integrated mathematical problem-solving strategies to solve problems within and outside mathematics. Apply the process of mathematical modeling to real-world problem situations. Analyze, evaluate, and reflect upon the process(es) used in solving problems. **MA/III/9-12/3/a-d** Geometric and number properties. Make and test conjectures. Defend the validity of their conclusions using mathematical strategies. Follow the mathematical reasoning of others and determine validity. Apply inductive and deductive reasoning.	*Communication Arts* **CA/I/9-12/6/a, c, d** Apply information, ideas, processes and skills learned in the study of communication arts to new situations and tasks. Select effective communication strategies and formats to develop and clarify new ideas and perspectives. Predict outcomes, anticipate consequences, make judgments and adjust personal opinions based on new knowledge. Provide support for observations and opinions. **CA/III/9-12/1/a-j** Apply communication strategies to identify, understand and solve problems. Identify and define problems. Listen attentively and contribute to group discussions. Take accurate notes during discussion. Collect and select relevant data from a variety of sources. Analyze pros and cons of suggested solutions. Evaluate the reliability of information. Brainstorm possible solutions to problems. Predict and evaluate results. Revise plans, actions and strategies based on results. Select and use appropriate technologies to facilitate problem solving.

Competencies (Tasks)	Frameworks (To Know and To Do)	Frameworks (To Know and To Do)
B1. List the safety procedures required for using oxy-acetylene equipment. B2. Perform in order the complete procedure for lighting, adjusting the flame and shutdown of the torch. B3. Select appropriate tip for the job to be performed. B4. Weld in all positions with oxy-gas welder. B5. Perform a hardsurfacing operation. B6. Weld cast iron using rod and flux. B7. Perform a braze weld operation. B8. Perform cutting with oxy-gas. B9. Perform cutting with arc-air. B10. Cut using the motorized torch.	**MA/IV/9-12/3/a-e** Mathematics is used in the real world. Recognize and/or derive equivalent representations for a concept. Analyze and relate procedures in multiple representations. Relate and describe the connections within topics of mathematics and other disciplines. Investigate and determine the importance of mathematics in their lives, future careers, and our ever-changing global society. Evaluate the logic and aesthetics of mathematics as they relate to the universe. **MA/V/9-12/1/a-c** Addition, subtraction, multiplication, and division with real numbers. Develop, analyze, and explain procedures used for representing and analyzing relationships in tables, verbal rules, equations, and graphs. Analyze the effects of parameter changes on the graphs of functions. Analyze and describe relationships and the resulting effects between changes in an independent variable and a dependent variable.	**CA/III/9-12/4/a-e** Analyze and solve problems involved in creating their own written, oral and visual communications. Clarify vague or inaccurate communications. Identify and eliminate barriers to effective communication. Revise inappropriately structured communications. Analyze audience feedback to communications and revise to clarify. Assess and evaluate how cultural and societal differences/similarities affect problems and proposed solutions. **CA/IV/9-12/2/a, c, d** Analyze and evaluate decision-making processes involving language use, literature and daily life. Analyze the effects of language use and literacy on the decisions of individuals and societies. Analyze cause and effect events in literature, history and other disciplines to understand the consequences of decisions. Research and evaluate career and academic options.

Competencies (Tasks)	Frameworks (To Know and To Do)	Frameworks (To Know and To Do)
	MA/VI/9-12/3/a-i Geometric shapes can be used to describe the real world. Interpret and draw three-dimensional objects. Represent and solve problem situations with geometric models and apply properties of figures. Classify figures in terms of congruence and similarity and apply these relationships. Deduce properties of, and relationships between, figures from given assumptions. Translate between synthetic and coordinate representations using a variety of methods and technologies. Deduce properties of figures using transformations and coordinates. Identify congruent and similar figures using transformations. Analyze properties of transformations and relate translations to vectors. Apply an understanding of perimeter, area, volume, angle measure, capacity, weight and mass. **MA/VIII/9-12/4/a-c** Trigonometric ratios of sine, cosine, and tangent. Compare and contrast the real number system and its various subsystems with regard to their structural characteristics. Represent and analyze relationships using verbal rules, tables and graphs as tools to interpret expressions, equations and inequalities. Translate among tabular, symbolic, and graphical representations of functions and model real-world phenomena with a variety of functions.	**MA/IX/9-12/4/a-d** Geometric relationships. Compare and contrast the real number system and its various subsystems. Select and apply appropriate technology as a problem-solving tool to achieve understanding of the logic of algebraic and geometric procedures. Investigate and determine similarities and differences between mathematical systems. Extend understanding and application of number theory concepts. **MA/X/9-12/1/a-d, f-h** Concepts of geometry. Explore and solve application problems involving graph theory (airline routes, circuits, paths, connecting roads, coloring a map, etc.) Use tree, Venn, or student-developed diagrams as problem-solving tools. Use concepts from logic and/or truth tables to recognize valid and invalid arguments. Explore applications from counting techniques such as Pascal's Triangle, permutations, combinations, and Fibonacci sequence. Explore concepts from election theory. Investigate different approaches to apportionment and fair division, then explore their applications (e.g., division of property in estates, apportionment in the House of Representatives). Use the concept of recursion in mathematics to solve application problems (e.g., compound interest, depreciation, radium decay, maximum storage in the least amount of space, fractals).
	Health/PE **HP/I.A/9-12/1/a** Personal health behaviors can have both short and long-term consequences on the functioning of human body systems. Determine the impact both history and current practices have on the development of a healthy body.	

Instructional activity name: Welding (Basic Skills)
Description: Students will make a ring for a round hay-bale feeder.
Materials/resources required: Arc welder, MIG welder, oxy-acetylene torch, spot welder, rods for welding and brazing.

Specific directions for organizing and conducting activity:
The feeder must be 8 feet in diameter. Students need to use a geometrical function to solve the problem: the diameter of the feeder multiplied by 3.1416 is equal to the circumference of the feeder. Students will need a 25-foot piece of pipe to roll. Give welding demonstrations, plenty of individualized instruction, and new tips to students as they work. An important part of this activity is being able to read and follow directions; students will practice this by looking at a set of plans and telling how they would use them. They may work in individually or in groups of up to four people and can choose what welding process they are going to use.

Assessment procedures/criteria: Visual and destructive tests.

Unit Title: **Plant Science**
Competency Profile: Agricultural Science II (1995)
Instructor(s) name: Jonathan Hoer
Grade level: 10
Teaching time frame: 1 week with follow-up at one-week intervals

Rationale: Identify the steps in germination of monocot and dicot seeds and describe the basic plant processes.

Unit description: The study of the characteristics/functions/structures/processes of plants.

Competencies (Tasks)	Frameworks (To Know and To Do)
E5. Identify the steps in germination of monocot and dicot seeds. E6. Describe basic plant processes.	*Science* **SC/VII.A/9-12/2/a** Cells have distinct and separate structures that perform and monitor processes essential for the survival of the cell and/or organism, such as chemical synthesis, energy conversion, material transport, and cell replication. Investigate, observe directly or indirectly, and communicate to others the basic life processes that take place at the cellular level. **SC/VII.B/9-12/1/a** Cells carry out chemical transformations that allow conversion of energy from one form to another, the breakdown of molecules into smaller units, and the building of larger molecules from smaller ones. Use models to demonstrate various chemical transformations carried out by cells and apply this information to different contexts of everyday life. **SC/VII.B/9-12/2/a** Photosynthesis and cellular respiration are complementary processes. Design and conduct investigations to determine what factors affect the processes of photosynthesis, anaerobic respiration, and aerobic respiration. **SC/VII.B/9-12/3** Optimum conditions are maintained in an organism as a result of special functions performed at the cellular level.

Instructional activity name: Germination Experiment
Description: Students will (in pairs) describe the process of germination of monocots and dicots, photosynthesis, respiration, and the factors that affect them through a written paper, visual presentation, and scientific experiment.
Materials/resources required: Corn and bean seeds, poster board, paper towels, water, drawing materials, overheads, other visual presentation material, paper plates/greenhouse germination trays.

Specific directions for organizing and conducting activity:

1. Combine classes (Agricultural Science II and Life Science [Earth Science, Science II, or other course name])for one week.
2. Team-teach the process of germination of monocots and dicots. (science: biological process, agriculture: practical application)
3. Using the materials, conduct germination tests for corn and beans. To save time and encourage interaction, pair an Agricultural Science II student with a life science student so that activities can be done in pairs. (Goal: Students will be able to combine prior knowledge from each class.) This must be done early so results can be discussed later in the week.
4. Students should keep data on results of experiments.
5. Students will write reports on findings as well as relate differences in germination processes of the two crops.
6. Team-teach photosynthesis and respiration.
7. Conduct experiments in photosynthesis and respiration and develop a visual presentation for these or the germination process.
8. Reconvene at one-week intervals to check progress of experiments and to present papers and presentations.

NOTE: Experiments can be more easily facilitated in a greenhouse.

Assessment procedures/criteria:
Teacher and student evaluations of presentations through standardized scorecard. Evaluations of written works by team teachers. (Emphasis of grading should be two-person team grades as well as individual grades.)

Unit Title: **Asexual Plant Propagation**
Competency Profile: Greenhouse Operation and Management (1993)
Instructor(s) name: Dan Chappell
Grade level: 11-12
Teaching time frame: 1-3 hr. period; results in one week to 10 days afterward

Rationale: Identify the process (i.e. cell division) of asexual plant reproduction and its importance to the greenhouse industry.

Unit description: Reproduction of greenhouse crops through asexual propagation techniques

Competencies (Tasks)	Frameworks (To Know and To Do)	Frameworks (To Know and To Do)
A14. Start plants by asexual propagation methods.	*Science* **SC/I.A/9-12/3/a** Controlling all variables that might influence an experiment is important. Sometimes it is not possible, for practical or ethical reasons, to control some conditions, but wide range of observations of natural occurrences can reveal patterns. Make systematic observations (nonexperimental) of natural objects or events to discern patterns, formulate explanations, support a thesis, or make predictions. **SC/VII.A/9-12/1/a** Cells are the fundamental structural and functional units of all living organisms and take highly varied forms in different plants, animals and microorganisms. Use appropriate technology and other resources to compare and contrast ways in which special cells carry out reproduction, photosynthesis, respiration, mitosis, meiosis, etc.	*Mathematics* **MA/I/9-12/4/b, d** Mathematical problem-solving strategies can apply to all disciplines and real-world problems. Recognize and formulate problems from situations within and outside mathematics. Apply the process of mathematical modeling to real-world problem situations. **MA/IV/9-12/3/d** Mathematics is used in the real world. Investigate and determine the importance of mathematics in their lives, future careers, and our ever-changing global society.

Competencies (Tasks)	Frameworks (To Know and To Do)	Frameworks (To Know and To Do)
	SC/VII.A/9-12/2/a Cells have distinct and separate structures that perform and monitor processes essential for the survival of the cell and/or organism, such as chemical synthesis, energy conversion, material transport, and cell replication. Investigate, observe directly or indirectly, and communicate to others the basic life processes that take place at the cellular level. **SC/VII.A/9-12/4/a** Organisms are classified into a hierarchy of groups and subgroups, based on their structural similarities and reflecting as much as possible their evolutionary relationships. Classify organisms into groups and subgroups based on structural similarities and then compare to published classifications of the same organisms based on evolutionary and molecular data.	

Instructional activity name: Asexual Plant Propagation
Description: Students will be asked to produce a marketable product in groups of three. They will produce 250 salable cuttings by factoring in an 80% survival rate.
Materials/resources required: Plants, media (soilless mix), rooting hormone, labels, propagation knives, containers, favorable environmentt

Specific directions for organizing and conducting activity:
Groups of three, where every member is responsible for all areas of activity.
1 part bleach/10 parts water - ratio 1:10 sanitation
container size 606 or 804 - flats
To prepare, fill with moist potting media-peat-vermiculite-perlite:
PromixBX-Faferd-media
Water in media
Take tip cutting above node with sharp propagation knife.
Dip basal end of cutting in hormone #2 then place in cell unit (two cuttings per cell).
Place on mist bench; label flat.

Math teacher explains ratio and percentages and can carry to profit and loss of activity.
Science teacher can explain cell division and hormone activity, as well as transpiration and respiration cell turgidity.

Assessment procedures/criteria:
Students will be evaluated on how well they work individually and as group members. Assessment will be on an individual basis through problem-solving activity and demonstration of propagation in lab environment.

Unit Title: **Developing Cost Estimates**
Competency Profile: Landscaping and Turf Management (1994)
Instructor(s) name: Harry Bertrand, Jr.
Grade level: 11-12
Teaching time frame: 1 week

Rationale: Calculating materials and time in maintaining a landscape

Unit description: Developing cost estimates

Competencies (Tasks)	Frameworks (To Know and To Do)
L2. Price various components of landscape maintenance.	*Mathematics* **MA/VI/9-12/1, 3/b, i** Structures of geometric and measurement systems. Geometric shapes can be used to describe the real world. Represent and solve problem situations with geometric models and apply properties of figures. Apply an understanding of perimeter, area, volume, angle measure, capacity, weight and mass.

Instructional activity name: Finding Areas and Volumes of Mulch Beds
Description: Figuring square footage and cubic yards of mulch
Materials/resources required: Tape measure, calculator, graph paper, pencil

Specific directions for organizing and conducting activity:
Instructor: Focus on areas and volume.
Students:
1. Choose a previously installed landscape for a home.
2. Visit the home site. Draw a sketch of the site (house, drive, mulch beds, etc.).
3. Measure all areas that have a mulch covering.
4. Mulch materials will be applied to a depth of 3".
5. Total various areas in square foot units. Convert square footage to cubic footage. Convert cubic footage to cubic yards. (Round to one decimal place.)
6. Given: time to spread materials (15 min./cubic yd. at $10/hr.)

Assessment procedures/criteria:
Correct figures used.
All calculations shown.
Rounding of calculations shown properly.

AGRICULTURAL EDUCATION

65-1101-I
Mini Report

Missouri's Show-Me Standards and Vocational Education Competencies

Crosswalk/Database

(Mini Report, September 1997)

Foreword

This database documents the common ground that has existed for years between academic skills and vocational competencies. It is intended to be ***"a model,"*** not *"the model,"* of how vocational and academic educators can work together to strengthen foundation skills needed by students in K-12 grades.

Both components of the Show-Me Standards--knowledge (content) and performance (process)--have been cross-referenced to the vocational competency lists included in this database, as have many Curriculum Frameworks statements.

Because most vocational program are taught in the 9-12th grade levels, suggested academic knowledge and performance skills (Curriculum Frameworks) for **grades 9-12** have been used for this pilot project The only exception is the Exploratory Family and Consumer Sciences course, which is taught in middle and junior high grades, and is therefore, cross-referenced to grades 5-8 Curriculum Frameworks.

Sample activities have been developed for most competency lists, also. The writers of these activities used the crosswalk information to develop actual, "real world" classroom activities that teach/reinforce academic *and* vocational concepts.

This project is intended to provide a **starting point** for school districts working on integrating academic and vocational skills, so customization of the crosswalk is highly encouraged. Both printed and electronic versions of the information are available from the Instructional Materials Laboratory. (See previous page for address and ordering information.) Initial data entry has been done in Microsoft *Access 2.0.*

Credits

This project, which was called "Vocational 21st Century Curriculum" during the development stage, has taken the dedication of **many individuals** to bring it this far. Without the following individual contributors, this work could not have been accomplished.

Project coordination, Instructional Materials Laboratory, UMC, Columbia, Mo.

Administration/vision

Phyllis Miller, Ph.D., and Harley Schlichting, Ph.D.

Coordination

Diane Davis

Group facilitation

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Database design

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Funding and leadership, Department of Elementary and Secondary Education, Jefferson City, Mo.

Fred Linhardt, Vocational Planning and Evaluation Section

Delbert Lund, Vocational Planning and Evaluation Section

Russ McCampbell, Division of Vocational and Adult Education

Terms and Definitions

Like any other project, this one has its own language. Here's an explanation of the basic terms:

Framework: A state document that articulates benchmark statements for all grade ranges in six disciplines: communication arts, fine arts (comprised of dance, music, theatre and visual arts), health education/physical education, mathematics, science and social studies. Some disciplines address content statements (*to know*), others process statements (*to do*) and some do both. By examining the three-column landscape layout of each discipline, you can tell if there is a direct correlation between a *to know* and a *to do* statement (e.g., communication arts). The benchmark lists *to know* statements in the far left column, *to do* statements in the middle and offers sample activities in the far right column.

Outstanding Schools Act: This is the law that announced Missouri's Show-Me Standards and set the process in motion for creating the framework. The Act promotes higher standards in students' knowledge and performance.

Show-Me Standards: The Standards define what all Missouri students should know and be able to do upon graduation. It is divided into four performance goals and six knowledge standards. Because these Standards (73 total) have the force of law, all school districts must incorporate them into their curriculum.

Strand: Strands are general statements, written in Roman numerals, that organize each discipline within the framework (e.g., Problem Solving, Communication, Reasoning, Connections, etc.)

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety, noted by an asterisk, require a Number 3 Rating.

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	**Knowledge (Content)**	**Performance (Goals)**
A.1: Describe the economic importance of corn and sorghum production (A001)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
A.2: Analyze and select appropriate varieties of corn and sorghum (A002)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
A.3: Describe seed bed preparation in various tillage systems (A003)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions

KEY:		
	* = may use all "to do" statements	# = same Frameworks as previous competency
	98 = same Frameworks as previous competency	99 = "to know" statements may not be applicable

Competency Profile Date: 1994

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.4: Explain application rates, types, and methods of fertilizing corn and sorghum (A010)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
A.5: Explain methods of controlling weeds in corn and sorghum (A005)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
A.6: Compare conservation and conventional planting techniques of corn and sorghum (A006)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
A.7: Describe procedures for identifying and controlling insects and diseases in corn and sorghum (A007)	SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	

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Competency Profile Date: 1994

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.8: *Identify steps for obtaining a private pesticide application license and procedures for safe use and storage of pesticides (A008)		
A.9: Analyze the profitability of different methods of irrigating corn and sorghum (A009)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.10: Analyze harvesting, storing, and drying systems for corn and sorghum (A004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.11: Describe marketing, pricing, and grading procedures for corn and sorghum (A0[illegible])	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.12: Describe costs and factors that affect the economics of corn and sorghum production (A012)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.1: Identify how forage crop production contributes to Missouri's agriculture (B001)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.2: Identify major advantages and disadvantages of important forage crop plants (B002)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.3: Select appropriate forage species according to site characteristics, species adaptation, and intended use (B003)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
B.4: Identify basic principles of alfalfa production (B004)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
B.5: Identify principles for establishing and maintaining cool season forages (B005)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.1: Explain reasoning and identify information used to support decisions
B.6: Identify characteristics of and basic principles for growing native forage grasses in Missouri (B006)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
B.7: Identify basic principles for establishing and managing warm season annuals for forage (B007)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
B.8: Identify principles of forage seed crop production (B008)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
B.9: Describe the symptoms and management control practices for fescue toxicity (B009)	SC.3: characteristics and interactions of living organisms	

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Advanced Crop Production

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	
B.10: Describe when and how to renovate a pasture (B010)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
B.11: Plan a year-round forage system for Missouri forages (B011)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.12: Describe and compare different methods of harvesting and storing hay (B012)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.13: Compare production and storage methods for silage and haylage (B013)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.1: Explain benefits of soil conservation to Missouri (C001)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.2: List major land resource areas and their uses (C003)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.3: Describe how soils are eroded (C002)	SC.2: properties and principles of force and motion SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
C.4: List cropping and tillage systems which are important in conserving soil (C004)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
C.5: Explain the fundamentals of no-till farming (C005)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
C.6: Identify structures important for conserving soil (C006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.1: properties and principles of matter and energy SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

031

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Competency Profile Date: 1994

032

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.7: Develop a resource management system for a field using the Universal Soil Loss Equation (C007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
C.8: List agencies that help farmers conserve soil (C008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.1: Describe the economic importance of soybean production (D001)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
D.2: Analyze and select appropriate varieties of soybean seeds to be grown in Missouri (D002)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
D.3: Compare different tillage systems and select the appropriate system to use (D003)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions

Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.4: Identify application rates, types, and methods of fertilizing soybeans (D004)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
D.5: Identify weed problems of soybeans and describe their methods of control (D005)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
D.6: Identify planting procedures for soybeans (D006)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
D.7: Identify and describe control methods for insects and diseases of soybeans (D007)	SC.3: characteristics and interactions of living organisms	

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	
D.8: 'Describe safe procedures for applying pesticides (D008)		
D.9: Identify the appropriate moisture management methods for soybeans (D009)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.10: Analyze harvesting, drying, and storing systems for soybeans (D010)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.11: Describe marketing, pricing, and grading procedures for soybeans (D011)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3. data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.12: Describe costs and factors that affect the economics of soybean production (D012)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Advanced Crop Production

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating. ** = Pass destruction test.

Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: List the safety procedures for arc welding (A001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.2: Identify the various types of metals and their properties (A002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.3: Prepare metals for welding by cutting, grinding, and/or cleaning (A003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4: Weld in all positions with stick welder [Shielded Metal Arc Welding] (A004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.4.1: a. Weld in flat position using 6010 and 7018 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4.2: b. Weld in horizontal position using 6010, 6011, and 7018 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4.3: c. Weld in vertical up position using 6010, 6011, and 7018 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.4.4: e. Weld in overhead position using 6010, 6011, and7018 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4.5: d. Weld in vertical down position using 6010 and 6011 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.5: Weld in all positions with MIG welder [Gas Metal Arc Welding] (A005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.5.1: a. Weld in flat position using E-70S-3 and E-71S-3 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.5.2: b. Weld in vertical position using E-70S-3 and E-71S-3 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.5.3: c. Weld in horizontal position using E-70S-3 and E-71S-3 **	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.5.4: d. Weld in overhead position using E-70S-3 and E-71S-3	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.6: Hardsurface areas where extensive wear may occur (A006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Agricultural Construction

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.7: Weld cast iron (A007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.8: Weld pipe (A008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: List the safety procedures required for using oxy-acetylene equipment (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.2: Perform in order the complete procedure for lighting, adjusting the flame and shutdown of the torch (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.3: Select appropriate tip for the job to be performed (B010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.4: Weld in all positions with oxy-gas welder (B003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.4: a Weld in flat position	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.4: b Weld in horizontal position	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.4: c Weld in vertical position	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.4: d Weld in overhead position	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.5: Perform a hardsurfacing operation (B004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.6: Weld cast iron using rod and flux (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.7: Perform a braze weld operation (B006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.8: Perform cutting with oxy-gas (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.9: Perform cutting with arc-air (B008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.10: Cut using the motorized torch (B009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.1: Identify common woods used in agricultural construction (C001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
C.2: Select the proper fastener for a specific job (C002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.3: List the actual and nominal dimensions of common construction lumber (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.4: Use hand woodworking tools (C004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.4.1: a		
C.4.2: b		
C.4.3: c		
C.5: Use power woodworking tools (C005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.5: a		
C.5: b		
C.5: c		
C.6: Select preservatives (C006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.1: Select metals by design and strength (D001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources

Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.2: Explain how construction metal is dimensioned (D002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.3: Remove stress risers (D003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.4: Identify common metal fasteners (D004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.5: Identify the hardness grade of a bolt (D005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics	2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.6: Control heat distortion of metals (D006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.7: Assemble work using proper locks and fasteners (D007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.8: Use heat to shape metals (D008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.9: Use tap and die set to do threading (D009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.10: List steps used in tempering, annealing, hardening, wrinklebending, normalizing and welding to control crystallization (D010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
E.1: Prepare surfaces for finishing (E001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.2: Select the primer to use before painting the surface (E002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.3: Select the paint to use in the finish operation (E003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.4: List the steps for cleanup after finishing operation is complete (E004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Construction

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.1: List the safety procedures for project construction (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.2: Select project and design a project plan (F002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

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Competency Profile Date: 1994

Agricultural Construction

Cross-Reference to Snow-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.1: properties and principles of matter and energy SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.3: Develop a bill of material and a projected cost list (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) MA.6: discrete mathematics (such as graph theory, counting techniques, matrices)	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.4: List tools needed to complete a project and list safety precautions (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
F.5: Determine the time frame for completion of a project (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.6: Interpret a project construction plan (F006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
F.7: Lay out and prepare materials for cutting (F007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.8: Determine construction design for proper hitching and balancing (F008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Agricultural Construction

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.9: Determine construction design for legal specifications: width, length, weight, etc. (F009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.10: Identify and correct project defects by approved methods (F010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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		1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
F.13: Determine actual cost of materials and labor for project (F013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) MA.6: discrete mathematics (such as graph theory, counting techniques, matrices)	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
F.14: Hand and power tools used in completing a project	CA.3: reading and evaluating nonfiction works and material (such as biographies,	1.3: Design and conduct field and laboratory investigations to study nature and society

Agricultural Construction

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
(F014)	newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.14: a		
F.14: b		
F.14: c		
G.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
G.2: Develop a plan for finding a job (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
G.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
G.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

KEY:
* = may use all "to do" statements
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Agricultural Construction

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Machinery

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Demonstrate safe machinery operation practices (A001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies
A.2: Demonstrate safe procedures for servicing, repairing, calibrating and adjusting agricultural machinery (A002)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies
B.1: Demonstrate the uses of machinery operator manuals (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
B.2: Size and select unit (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives
B.3: Service and repair unit (B003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
B.4: Calibrate and adjust unit (B004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.5: Check and service charging and starting systems (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
B.6: Check and service comfort systems (B006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
B.7: Check and service hydraulic systems (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1994

Agricultural Machinery

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.8: List steps to prepare machinery for post season storage (B008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
B.9: List steps to follow after removing machinery from post season storage (B009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
B.10: Explain principles of hitching and ballasting (B010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
C.1: Demonstrate the uses of machinery operator manuals (C001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
C.2: Size and select equipment (C002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives
C.3: Service and repair equipment (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.4: Calibrate and adjust equipment (C004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
C.5: List steps to prepare machinery for post season storage (C005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Competency Profile Date: 1994

Agricultural Machinery

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions
C.6: List steps to follow after removing machinery from post season storage (C006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
C.7: Explain principles of hitching and ballasting (C007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
D.1: Demonstrate the uses of machinery operator manuals (D001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
D.2: Size and select equipment (D002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives
D.3: Service and repair equipment (D003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
D.4: Calibrate and adjust equipment (D004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Agricultural Machinery

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
D.5: List steps to prepare machinery for post season storage (D005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
D.6: List steps to follow after removing machinery from post season storage (D006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
D.7: Explain principles of hitching and ballasting (D007	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
E.1: Demonstrate the uses of machinery operator manuals (E001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
E.2: Size and select equipment (E002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.3: Service and repair equipment (E003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
E.4: Calibrate and adjust equipment (E004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
E.5: List steps to prepare machinery for post season storage (E005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
E.6: List steps to follow after removing machinery from post season storage (E006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
E.7: Explain principles of hitching and ballasting (E007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
F.1: Demonstrate the uses of machinery operator manuals (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
F.2: Size and select applicator (F002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives
F.3: Service and repair applicator (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
F.4: Calibrate and adjust applicator (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.5: List steps to prepare machinery for post season storage (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
F.6: List steps to follow after removing machinery from post season storage (F006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
F.7: Explain principles of hitching and ballasting (F007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
G.1: Demonstrate the uses of machinery operator manuals (G001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.3: Exchange information, questions and ideas while recognizing the perspectives of others
G.2: Size and select equipment (G002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
G.3: Service and repair equipment (G003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Machinery

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.4: Calibrate and adjust equipment (G004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
G.5: List steps to prepare machinery for post season storage (G005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1994

Agricultural Machinery

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.6: List steps to follow after removing machinery from post season storage (G006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
G.7: Explain principles of hitching and ballasting (G007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
H.1: Demonstrate the uses of machinery operating manuals (H001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.2: continuity and change in the history of Missouri, the United States and the world	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
H.2. Size and select equipment (H002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives
H.3: Service and repair equipment (H003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
H.4: Calibrate and adjust equipment (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
H.5: List steps to prepare machinery for post season storage (H005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
H.6: List steps to follow after removing machinery from post season storage (H006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions
H.7: Explain principles of hitching and ballasting (H007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions

NOTE: The code in parentheses is the competency identification number used in computerized management systems. See also Agricultural Marketing.

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Determine the point of maximum profit (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities
A.2: Determine the fixed and variable costs of production and use the fixed/variable concepts in making business decisions (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.3: Determine when substitution is desirable and what is the most profitable level of substitution (A003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities
A.4: Determine the opportunity cost of choosing various business alternatives (A004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.5: Determine the resulting change in price of commodities when shifts in supply and demand take place (A005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities
A.6: Determine the effects of the time value of money on business investments and decisions (A006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.1: Compare the different business structures for agricultural businesses (B001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SS.1: principles expressed in the documents shaping constitutional democracy in the United States SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.2: Identify the steps in buying land (B002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.1: principles expressed in the documents shaping constitutional democracy in the United States SS.3: principles and processes of governance systems	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.3: Explain the factors involved in starting an agricultural business (B003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.4: Identify and describe key components of contracts (B004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.5: Explain the importance of business procedures (B005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SS.6: relationships of the individual and groups to institutions and cultural traditions	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals
B.6: Explain the importance of agribusiness records (B006)	SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.7: Describe how to manage inventory and determine selling price (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.1: Explain reasoning and identify information used to support decisions
B.8: Explain how to handle customer transactions (B008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies
B.9: Prepare a sales ticket (B009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples).	1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.6: Apply communication techniques to the job search and to the workplace
B.10: Describe the proper procedures for handling customer credit in a business (B010)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.11: Explain factors that should be considered before securing a loan (B011)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
B.12: Complete a financial analysis of a business (B012)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.13: Explain business practices that will maximize after-tax income (B013)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.14: Calculate the depreciation of an investment (B014)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.6: discrete mathematics (such as graph theory, counting techniques, matrices)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks
B.15: Identify methods of reducing risk in a business (B015)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions
B.16: Explain the types of insurance needs of an agricultural business (B016)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.17: Identify several cooperating agencies and services available (B017)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions
C.1: Identify appropriate goal-setting activities that could be used for a farm business (C001)	SS.1: principles expressed in the documents shaping constitutional democracy in the United States SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.3: Analyze the duties and responsibilities of individuals in societies
C.2: Determine the present use of resources for a farm business (C002)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.3: Analyze the duties and responsibilities of individuals in societies
C.3: Explain the principles of planning a cropping system and be able to revise the cropping system of the case farm (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honestly and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.4: Calculate machinery needs (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities
C.5: Plan a profitable livestock system (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.6: Plan for the labor needs of a farm business (C006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas

KEY:		
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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.7: Determine the amount of capital needed for the farm business (C007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities
C.8: Estimate farm business cash income and profitability (C008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.9: Revise a farm plan (C009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.6: discrete mathematics (such as graph theory, counting techniques, matrices)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity

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Competency Profile Date: 1994

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.1: Explain the role of the employee (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas
D.2: Explain the need for effective communication skills in an agricultural business (D002)		2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals
D.3: Identify skills needed for a successful career in agricultural sales (D003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals
D.4: Describe the use of promotion in agriculture (D004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.2: the principles and elements of different art forms FA.3: the vocabulary to explain perceptions about and evaluations of works in dance, music, theater and visual arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.6: Examine problems and proposed solutions from multiple perspectives 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
D.5: Explain the appropriate use of agricultural displays (D005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.2: the principles and elements of different art forms	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas

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001

002

Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	FA.3: the vocabulary to explain perceptions about and evaluations of works in dance, music, theater and visual arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies

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Agricultural Management and Economics

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Agricultural Marketing

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1:		
A.1: Describe the functions of a marketing program (E001)	CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.2: Identify goals to be set for the marketing program (E002)	CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.3: Describe the operation of cash grain markets (E003)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.4: Describe the effect of grain grading on price (E004)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 3.1: Identify problems and define their scope and elements
A.5: Determine an "asking" price for grain (E005)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
A.6: Outline alternative grain marketing methods (E006)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
A.7: Explain how futures are used to market grain (E007)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.4: Evaluate the processes used in recognizing and solving problems
A.8: Describe livestock marketing trends (E008)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.9: Explain how cattle prices are determined (E009)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences
A.10: Explain how the value of market hogs is determined (E010)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
A.11: Explain the carcass weight and grade method of marketing livestock (E011)	SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.6: Apply communication techniques to the job search and to the workplace 3.7: Evaluate the extent to which a strategy addresses the problem
A.12: Describe how feeder cattle and feeder pigs are marketed (E012)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.13: Outline methods of marketing livestock using forward contracting and production contracts (E013)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
A.14: Explain how future markets are used to market livestock (E014)	MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 3.1: Identify problems and define their scope and elements

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Agricultural Marketing

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	
A.15: Explain the importance of basis when marketing agricultural products (E015)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
A.16: Determine when price protection marketing is appropriate (E016)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
A.17: Describe marketing and pricing methods for milk (E017)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks
A.18: Explain how dairy products are marketed (E018)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 4.8: Explore, prepare for and seek educational and job opportunities
A.19: Describe how fluid and blend prices for milk are determined (E019)	MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.20: Describe factors to consider when outlining marketing strategies (E020)	CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.1: Develop questions and ideas to initiate and refine research 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Agricultural Marketing

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	3.4: Evaluate the processes used in recognizing and solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
B.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
B.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
B.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
B.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Marketing

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Explain the operating principles of a two-cycle engine (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.2: Explain the operating principles of a four-cycle engine (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world	3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.3: Identify safety procedures to follow when servicing and repairing a single cylinder engine (A003)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies
B.1: Demonstrate the use of a micrometer (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
B.2: Demonstrate the use of a dial caliper (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.3: Demonstrate the use of a telescoping gauge (B003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
B.4: Demonstrate the use of a dial indicator (B004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
B.5: Demonstrate the use of a torque wrench (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Agricultural Power I

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
B.6: Demonstrate the use of a reject gauge (GO-NO GO gauge) (B006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
B.7: Demonstrate the use of a feeler gauge (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.1: Demonstrate the use of shop hand tools (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
C.2: Demonstrate the use of shop power tools (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
C.3: Demonstrate the use of cleaning equipment (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem

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Competency Profile Date: 1994

Agricultural Power I

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.1: Identify parts of an engine (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems
D.2: Select, install, or assemble parts (D002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1:5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.3: Select correct engine fasteners (D003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems
E.1: Interpret and apply a service manual (E001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Competency Profile Date: 1994

Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.2: Select oils, fuels, and lubricants (E002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
F.1: Test and analyze a carburetion system (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.2: Test and analyze a compression system (F002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.3: Test and analyze an ignition system (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.4: Test and analyze a fuel injection system (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.5: Test and analyze an electrical system (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.6: Test and analyze a lubrication system (F006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.7: Test and analyze a governor system (F007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
G.1: Clean, adjust, and/or repair a carburetor (G001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
G.2: Service and adjust an electrical system (G002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspa	1.2: Conduct research to answer questions and evaluate information and ideas

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	pers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
G.3: Grind and adjust valves (G003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.4: Recondition or replace cylinders and pistons (G004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
G.5: Service and repair a lubrication system (G005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Power I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.6: Clean and service a cooling system (G006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
G.7: Clean and service an air intake and exhaust system (G007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.8: Service and repair a mechanical starting system (G008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
G.9: Prepare engine for winter storage (G009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.7: Evaluate the extent to which a strategy addresses the problem
H.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
H.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
H.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
H.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
I.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
I.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
I.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
I.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
I.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Power I

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
I.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
I.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

KEY:
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NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Explain the operating principles of multicylinder gasoline engines (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.2: Explain the operating principles of multicylinder diesel engines (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world	3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.3: Identify safety procedures to follow when servicing and repairing multicylinder engines (A003)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies
B.1: Test and analyze a gasoline fuel system (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.2: Test and analyze an ignition system (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives
B.3: Test and analyze a cooling system (B003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.4: Test and analyze a hydraulic system (B004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.5: Test and analyze a steering system (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.6: Test and analyze an air intake and exhaust system (B006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.7: Test and analyze a compression system (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources

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959

960

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.8: Test and analyze a lubrication system (B008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.9: Test and analyze an injection system (B009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.10: Test and analyze a governor system (B010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.11: Test and analyze an electronic system (B011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.12: Test and analyze a comfort equipment system (B012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.13: Test and analyze an electrical system (B013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
C.1: Service and repair a gasoline fuel system (C001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions 2
C.2: Service and repair an ignition system (C002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.3: Service and repair a cooling system (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.4: Service and repair a hydraulic system (C004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.5: Service and repair a steering system (C005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Agricultural Power II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.6: Service and repair an air intake and exhaust system (C006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.7: Service and repair a compression system (C007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.8: Service and repair a lubrication system (C008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.9: Service and repair an injection system (C009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.10: Service and repair a governor system (C010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Power II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.11: Service and repair an electronic system (C011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
C.12: Service and repair a comfort equipment system (C012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Competency Profile Date: 1994

Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.13: Service and repair an electrical system (C013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
D.1: Service a transmission (D001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.2: Service a differential (D002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
D.3: Service a final drive (D003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.4: Service wheel bearings (D004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
D.5: Check and adjust tires and wheels (D005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.6: Check and adjust a clutch (D006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
D.7: Identify types of brakes (D007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Power II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.8: Check and adjust P.T.O (D008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	4.3: Analyze the duties and responsibilities of individuals in societies

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.6: relationships of the individual and groups to institutions and cultural traditions	
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All compentecies involving safety require a Number 3 Rating.

Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Identify career opportunities in the agricultural industry (A001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 4.8: Explore, prepare for and seek educational and job opportunities
A.2: List and classify agricultural occupations by their job requirements and benefits (A002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
A.3: Match personal qualifications with appropriate occupations (A003)		1.1: Develop questions and ideas to initiate and refine research 4.8: Explore, prepare for and seek educational and job opportunities
B.1: Plan a program of personal development (A001)	SS.6: relationships of the individual and groups to institutions and cultural traditions	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions
B.2: Describe the background and tradition of the FFA (A002)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies
B.3: Describe the opportunities provided by the FFA (A003)	SS.6: relationships of the individual and groups to institutions and cultural traditions	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies
B.4: Identify requirements for becoming a member of the FFA (A004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SS.2: continuity and change in the history of Missouri, the United States and the world SS.6: relationships of the individual and groups to institutions and cultural traditions	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 4.3: Analyze the duties and responsibilities of individuals in societies
B.5: Demonstrate acceptable appearance and conduct of FFA members (A005)	SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
B.6: Demonstrate skills needed for participation in meetings (A006)	SS.1: principles expressed in the documents shaping constitutional democracy in the United States	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Competency Profile Date: 1996

Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.6: relationships of the individual and groups to institutions and cultural traditions	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
C.1: List the benefits of a good SAE program (A001)	SS.1: principles expressed in the documents shaping constitutional democracy in the United States SS.3: principles and processes of governance systems	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.2: Identify SAE projects for each area within the community (A002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources
C.3: Set goals for the SAE program (A003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources
C.4: Select projects for the SAE program (A004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	
D.1: Complete forms needed to open the Missouri Agricultural Record Book for Secondary Students (B001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
D.2: Complete a budget for the SAE program (B002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
D.3: Complete inventory and financial statement forms for the Missouri Agricultural Record Book for Secondary Students (B003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.4: Complete receipt and expenditure forms in the Missouri Agricultural Record Book for Secondary Students (B004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
D.5: Complete additional forms in the Missouri Agricultural Record Book for Secondary Students (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources
E.1: Explain the purpose of male reproductive parts and hormones (D007)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives
E.2: Explain the purpose of female reproductive parts and hormones (D008)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives
E.3: Explain the role of puberty and the estrous cycle in reproduction (D009)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives
E.4: Describe conception and gestation (D010)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives
E.5: Identify the important factors of parturition (D011)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives
E.6: Define the role of genetics in reproduction (D012)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
E.7: Compare management practices for genetic improvement (D013)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.1: Describe the parts and functions of the monogastric digestive system (E005)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Describe the parts and functions of the ruminant	SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
digestive system (E006)	SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Identify the importance of maintaining the nutritional needs of the animal (E007)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.4: Identify how the nutritional needs of animals may be met (E008)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Demonstrate the procedure for balancing a ration for crude protein (E009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.1: Combine production information and visual selection to choose superior beef animals (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.2: Plan a program for managing a breeding herd during breeding and gestation (F002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.3: Plan a program for managing a herd from calving through weaning (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.4: Plan a management program for backgrounding calves for economical gains (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.5: Describe how to finish cattle to an economical finishing weight (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.1: Select the correct type of swine for efficient, economical production (G001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.2: Identify practices for management of the breeding herd during breeding and gestation (G002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Competency Profile Date: 1996

Agricultural Science I

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.3: Plan a program for managing and caring for the sow and pigs (G003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.4: Develop a management plan for raising and finishing hogs for maximum returns (G004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.1: Identify the opportunities available in the sheep industry (H001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
I.2: Combine information and visual selection to choose superior sheep (H002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.3: Manage a breeding flock during breeding and gestation (H003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.4: Manage a flock from lambing to weaning (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.5: Manage a flock from weaning to market (H005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.6: Determine proper prevention and/or control methods of common parasites, diseases, and predators (H006)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
J.1: Select profitable dairy cows for the herd (I001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
J.2: Plan a feeding program for maximum milk production (I002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
J.3: Plan a dairy herd health program (I003)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
J.4: Plan management program for the milking herd to maximize dairy returns (I004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
J.5: Plan management program for raising replacement heifers from birth to freshening (I005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
K.1: Describe the importance of the poultry industry (J001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
K.2: Select and evaluate poultry (J002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
K.3: Describe how to meet the nutritional needs of poultry (J003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
K.4: Plan housing and equipment for raising poultry (J004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
K.5: Describe procedures for promoting flock health and sanitation (J005)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
K.6: Describe various marketing channels for poultry and eggs (J006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
L.1: Identify why agribusiness is important in the free enterprise system (K001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
L.2: Identify and describe the career opportunities available in agribusiness (K002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
L.3: Explain the role of agribusiness in the community (K003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
L.4: Describe the role of the employee in agribusiness (K004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
L.5: Distinguish between the skills and traits contributing to agribusiness employee success and failure (K005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
L.6: Identify the common business procedures in agribusiness (K006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
L.7: Identify the need and considerations for setting career goals (K007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
M.1: Discuss the significance of entomology (b001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises
M.2: Prepare an insect collection (b002)	SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
M.3: Describe the procedure for classifying insects to order (b003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
M.4: Describe methods of pest control (b004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
M.5: Describe the factors in the selection and application of insecticides (b005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions
M.6: Identify safety guidelines for insecticide use (b006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
M.7: Outline an IPM plan (b007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Agricultural Science I

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
N.1: Describe the procedures involved in sharpening or reconditioning hand tools (O001)	HP.7: responses to emergency situations SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
N.2: Reshape screwdriver tips (O002)	HP.7: responses to emergency situations SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
N.3: Sharpen a twist drill (O003)	HP.7: responses to emergency situations SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
N.4: Sharpen a cold chisel (O004)	HP.7: responses to emergency situations SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
O.1: Select and use common types of woodworking handsaws to make rip, cross cut, and miter cuts (L001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
O.2: Demonstrate use of the four common types of wood planes (L002)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
O.3: Identify and demonstrate procedures for using woodworking measuring devices (L003)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
O.4: Demonstrate the use of wood boring tools to drill holes through wood (L004)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
O.5: Classify and explain procedures involved in various methods of fastening wood (L005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
O.6: Identify and demonstrate procedures for using common types of wood chisels (L006)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
O.7: Select drill bits and use the electric drill to drill holes in wood safely (L007)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
O.8: Select and adjust the portable electric saw to cut wood safely (L008)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Competency Profile Date: 1996

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
P.1: Perform steps required for the hands-on portion of the safety test for the abrasive cut-off saw (Q001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
P.2: Perform steps required for the hands-on portion of the safety test for the radial arm saw (Q002)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Science I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
P.3: Perform steps required for the hands-on portion of the safety test for the table saw (Q003)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
P.4: Perform steps required for the hands-on portion of the safety test for the jointer (Q004)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.1: List the safety procedures which are required when arc welding (M001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.2: Identify the parts of the arc welder and set it up correctly to make an arc weld (M002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.3: Describe the procedures involved in striking and maintaining an arc for the satisfactory deposition rate and bead appearance (M003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.4: Strike and maintain an arc to make a satisfactory bead (M004)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.5: Prepare materials, weld, and clean the weld (M005)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.6: Weld butt joints in steel plate and round stock (M006)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Q.7: Weld a lap joint or tee joint in mild steel plate (M007)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
R.1: Demonstrate correct procedures for painting with brushes (N001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
S.1: Describe the process of using an oxy-acetylene torch to cut mild steel (P001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
S.2: Cut mild steel at a 45 angle with an oxy-acetylene cutting torch (P002)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
S.3: Cut mild steel using an oxy-acetylene cutting torch (P003)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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NOTES: The code in parentheses is the competency identification number used in computerized management systems. This is a continuation of Agricultural Science I.

Agricultural Science I Supplement

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
T.1: Identify the career opportunities in the meat industry (R001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
T.2: Describe the general classification and grading of meat (R002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.8: Explore, prepare for and seek educational and job opportunities
T.3: Identify the wholesale and retail cuts of beef (R003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.8: Explore, prepare for and seek educational and job opportunities
T.4: Identify the wholesale and retail cuts of pork (R004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.8: Explore, prepare for and seek educational and job opportunities
T.5: Identify the wholesale and retail cuts of lamb (R005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1995

Agricultural Science I Supplement

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
U.1: Identify possibilities for specialty animal production (S001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem
U.2: Determine the profitability of selected specialty animal enterprises (S002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
U.3: Evaluate the comparative advantages (labor vs. capital) of the selected specialty animal enterprise (S003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
U.4: Identify local, state, and federal regulations, as they apply to specialty animal production (S004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	
U.5: Evaluate the marketing options available for specialty animals (S005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
V.1: Evaluate the different facilities for producing bees (T001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
V.2: Develop a check list of bee hive management techniques (T002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
V.3: Determine the labor requirements for raising bees (T003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
V.4: Develop a health management program for bees (T004)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
V.5: List the steps to follow when harvesting honey (T005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
W.1: Evaluate the different facilities for producing companion animals (U001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
W.2: Identify a ration to meet the nutritional needs of companion animals (U002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
W.3: Determine the labor requirements for producing companion animals (U003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Competency Profile Date: 1995

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
W.4: Develop a health program for companion animals (U004)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
W.5: Develop a sound breeding program for companion animals (U005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
W.6: Demonstrate proper grooming techniques for companion animals (U006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
X.1: Evaluate the different facilities for producing fish (V001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
X.2: Identify a ration to meet the nutritional needs of fish (V002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
X.3: Outline procedures for fingerling production (V003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
X.4: Determine the labor requirements for producing fish (V004)	CA.3: reading and evaluating nonfiction works and material (sucn as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
X.5: Develop a health program for fish (V005)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Y.1: Evaluate the different facilities for producing fur animals (W001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
Y.2: Describe the different breeding systems for fur animals (W002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Y.3: Identify a ration to meet the nutritional needs of fur animals (W003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
Y.4: Determine the labor requirements for producing fur animals (W004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
Y.5: Develop a health program for fur animal production (W005)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Z.1: Evaluate the different facilities for producing goats (X001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
Z.2: Identify a ration to meet the nutritional needs of goats (X002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Z.3: Determine the labor requirements for producing goats (X003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
Z.4: Develop a health program for goat production (X004)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Z.5: Plan a breeding program for goats (X005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
Z.6: Demonstrate proper grooming techniques for goats (X006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.1: Identify horse types, breeds, and uses (Y014)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
zA.2: Describe behavior principles of the horse (Y015)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.3: Identify ideal selection and conformation traits (Y016)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.4: Identify basic genetic and reproductive characteristics in horses (Y017)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.5: Develop a herd health program (Y011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
zA.6: Describe hoof structures and care (Y018)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.7: Identify a ration to meet the nutritional needs of horses (Y012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.8: Identify proper tack, equipment, and facilities for horses (Y019)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
zA.9: Identify basic techniques of handling horses (Y020)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zA.10: Examine career opportunities (Y021)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.3: Design and conduct field and laboratory investigations to study nature and society 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
zB.1: Evaluate the different facilities for producing laboratory animals (Z001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
zB.2: Describe the different breeding systems for laboratory animals (Z002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zB.3: Identify a ration to meet the nutritional needs of laboratory animals (Z003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zB.4: Determine the labor requirements for producing laboratory animals (Z004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
zB.5: Develop a health program for laboratory animal production (Z005)	HP.3: diseases and methods for prevention, treatment and control	1.1: Develop questions and ideas to initiate and refine research

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills tc different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zC.1: Evaluate the different facilities for producing rabbits (a001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
zC.2: Describe the different breeding systems for rabbits (a002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
zC.3: Identify a ration to meet the nutritional needs of rabbits (a003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Science I Supplement

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
zC.4: Determine the labor requirements for rabbit production (a004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
zC.5: Develop a health program for rabbit production (a005)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Competency Profile Date: 1995

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 Rating.

Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Describe the steps which should be taken in choosing a career and planning for occupational entry and advancement (A001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 4.8: Explore, prepare for and seek educational and job opportunities
A.2: Develop a plan for finding a job (A002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
A.3: Describe how to apply and interview for a job (A003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
A.4: Describe the characteristics needed to develop a desirable personality (A004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
A.5: Describe the importance and process of developing human relationship skills (A005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
B.1: Describe the importance of good decision-making skills (B001)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.2: Describe the responsibilities of members of an organization (B002)	SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.3: Describe the major parts of the FFA Program of Activities (B003)	SS.1: principles expressed in the documents shaping constitutional democracy in the United States	1.5: Comprehend and evaluate written, visual and oral presentations and works

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.3: principles and processes of governance systems	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
B.4: Describe the techniques involved in communicating in groups (B004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
B.5: Prepare and deliver a presentation (B005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas
B.6: Demonstrate the use of parliamentary procedure in a meeting (B006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SS.1: principles expressed in the documents shaping constitutional democracy in the United States SS.3: principles and processes of governance systems	2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.1: Complete summary forms in the Missouri Agricultural Record Book for Secondary Students (C001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.2: Complete the analysis forms in the Missouri Agricultural Record Book for Secondary Students (C002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.3: Analyze and evaluate the SAE program (C003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.4: Identify awards that may be earned as a result of the SAE program (C004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources
C.5: Determine if and when the Missouri Farm Business Record Book should be used (C005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.7: identifying and evaluating relationships between language and culture	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers
D.1: Explain the importance of soil (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
D.2: Describe how soils are formed)002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
D.3: Explain the importance of soil color (D003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	3.5: Reason inductively from a set of specific facts and deductively from general premises
D.4: Explain the importance of soil texture (D004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.5: Reason inductively from a set of specific facts and deductively from general premises
D.5: Explain the importance of soil structure (D005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
D.6: Describe a soil profile (D006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts
D.7: Explain how plants exchange anions for cations (D007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts SC.1: properties and principles of matter and energy SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.8: Identify what plants get from the soil to be healthy and what gives maximum yields (D008)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas
D.9: Prepare a soil sample for analysis (D009)	SC.7: processes of scientific inquiry (such as formulating and testing hypotheses)	1.3: Design and conduct field and laboratory investigations to study nature and society
D.10: Evaluate the effects of soil on water (D010)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies
D.11: Describe the various site characteristics (D011)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
D.12: Identify ways to conserve and manage the soil (D012)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Competency Profile Date: 1995

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.13: Describe the environmental impact of soil and water management (D013)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Agricultural Science II

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.1: Identify the importance of plants (R001)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
E.2: List and describe methods to classify plants (R002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
E.3: Describe factors that affect plant growth and development (R003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems
E.4: Describe how pests affect plant growth (R004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.5: Reason inductively from a set of specific facts and deductively from general premises
E.5: Identify the steps in germination of monocot and dicot seeds (R005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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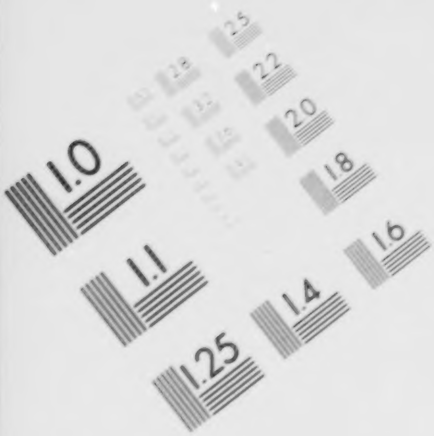
Competency Profile Date: 1995

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
E.6: Describe basic plant processes (R006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.7: Use technological tools to exchange information and ideas
E.7: Describe how plants reproduce sexually and asexually (R007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.5: Reason inductively from a set of specific facts and deductively from general premises
E.8: Describe how genetics influences plant growth (R008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
F.1: Describe the economic importance of crop production (S001)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Identify how crops are used (S002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation



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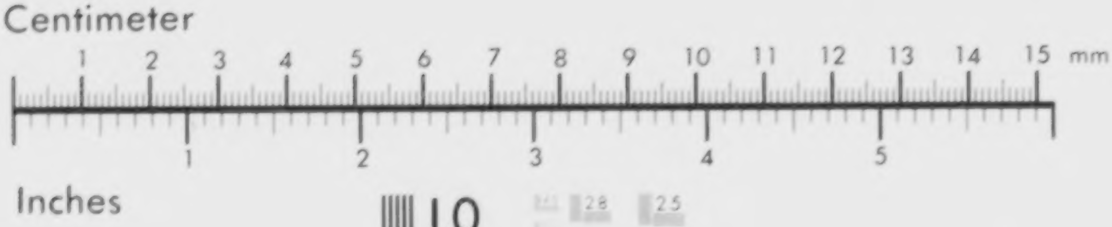

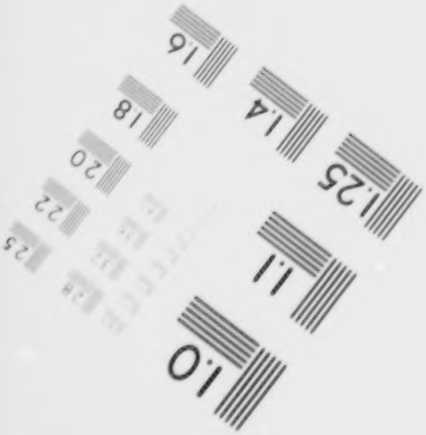

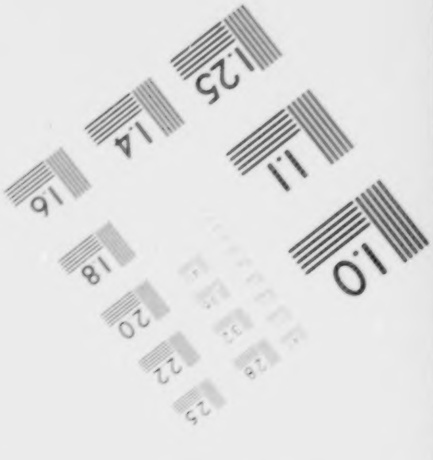

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.3: Identify common plants and weeds in Missouri (S003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
F.4: Identify characteristics of quality seed (S004)		
F.5: Explain the requirements for establishing a crop stand (S005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
F.6: Describe good crop production practices (S006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
F.7: Explain factors related to harvesting and storing quality grain (S007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
F.8: Describe factors related to harvesting and storing quality forages (S008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements

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Agricultural Science II

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
F.9: Describe methods of plant pest control (S009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.1: Discuss the significance of entomology (O001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises
G.2: Prepare an insect collection (O002)	SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
G.3: Describe the procedure for classifying insects to order (O003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
G.4: Describe methods of pest control (O004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spe	1.1: Develop questions and ideas to initiate and refine research

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	lling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
G.5: Describe the factors in the selection and application of incesticides (O005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions
G.6: Identify safety guidelines for insecticide use (O006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.7: Outline an IPM plan (Q007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
H.1: Describe the soil and climatic adaptations and the uses of small grains (G001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.2: Select the variety and types of small grains that are best suited to the local area (G002)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems
H.3: Describe the practices necessary to establish a satisfactory stand of small grains (G003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
H.4: Describe the factors involved in controlling insects in small grains (G004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
H.5: Describe the factors involved in controlling diseases of small grains (G005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
H.6: Determine the most profitable practices and methods of harvesting and storing small grains (G006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
I.1: Describe the preparations necessary for fruit and vegetable production (H001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises
I.2: Analyze principles of vegetable crop transplant production (H002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
I.3: Identify characteristics and production practices for warm season solanaceous crops (H003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.4: Identify techniques for growing beans, peas and sweet corn (H004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.5: Identify techniques for growing cole crops and cucurbits (H005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.6: Identify techniques for cultivating apples and peaches (H006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.7: Identify techniques for producing strawberries (H007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.8: Identify techniques for growing selected bramble fruits (H008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.9: Identify techniques for cultivating blueberries (H009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.10: Identify techniques for growing grapes (H010)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
I.11: Identify approaches for the direct marketing of fruits and vegetables (H011)	FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
J.1: Identify the safety procedures necessary when using common power tools (I001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
K.1 Identify careers and benefits from Missouri forest resources (J001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 4.8: Explore, prepare for and seek educational and job opportunities
K.2 Classify Missouri trees by use and grade (J002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
K.3 Order and plant forest trees (J003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
K.4: Describe safe use of forestry tools (J004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
K.5: Measure standing trees, logs, and stacks of cordwood (J005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.1: Explain reasoning and identify information used to support decisions
K.6: Analyze how Timber Standard Improvement (TSI) principles can improve forest production (J006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.8: Explore, prepare for and seek educational and job opportunities
K.7: Identify factors to consider in growing and marketing Christmas trees (J007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.5: Reason inductively from a set of specific facts and deductively from general premises
K.8: Describe how to produce and market walnut timber (J008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3 reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.5: Reason inductively from a set of specific facts and deductively from general premises

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(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
L.1: List the safety procedures required while arc welding (K001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
L.2: Describe the procedures required to control expansion and contraction resulting from welding heat (K02)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
L.3: Identify the types of arc welding electrodes and their necessary methods of storage and care (L003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
L.4: Identify different metals to be welded (L004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
L.5: Make satisfactory welds in all positions (L005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
M.1: List safety procedures required for using oxy-acetylene equipment (L001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
M.2: Butt weld and corner weld with and without filler rods using oxy-acetylene equipment (L002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
M.3: Run beads and braze a corner weld in mild steel with oxy-acetylene equipment (L003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
M.4: Describe the procedures required for preheating metals prior to welding (L004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
N.1: Operate a paint sprayer in the shop (M001)		
N.2: Spray paint a shop project (M002)		
O.1: Describe how to sharpen or recondition the cutting edge of hand tools (N001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
O.2: Sharpen a wood chisel or plane iron (N002)		
O.3: Recondition a center punch (N003)		
O.4: Describe procedures necessary to sharpen a chain saw (N004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
O.5: Sharpen chain while on chain saw bar (N005)		
P.1: Lay out, shape and fasten cold metal (O001)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 2.7: Use technological tools to exchange information and ideas
P.2: Construct a small shelf bracket (O001)		
Q.1: Discuss the steps required in planning a shop project (P001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas

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Agricultural Science II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.7: Use technological tools to exchange information and ideas
Q.2: Make and read a working drawing (P002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 2.7: Use technological tools to exchange information and ideas
Q.3: Prepare a bill of materials with specifications (P003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating. An asterisk (*) in the curriculum frameworks column(s) indicates all "to do" statements in that section are applicable.

Agricultural Structures I

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Identify the essential factors of a farmstead plan, and establish wind and snow controls (A001)	SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.2: List and discuss the steps in planning and purchasing a farm building (A002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.3: List and discuss the factors associated with site selection (A003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4: Identify the proper fasteners for specific uses and join wood together with all three methods (A004)	SC.8: impact of science, technology and human activity on resources and the environment	1.5: Comprehend and evaluate written, visual and oral presentations and works
A.5: Calculate insulation needs, heat loss, and supplementary heat needs (A005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Structures I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.6: Describe how to lay out the foundation for a building and construct the footings (A006)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.4: Use technological tools and other resources to locate, select and organize information 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
A.7: Describe how to construct a floor and subfloor on a foundation (A007)		1.3: Design and conduct field and laboratory investigations to study nature and society 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.8: List the purpose of walls, the types of walls, wall supports, and siding used in farm buildings (A008)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.5: Perform or produce works in the fine and practical arts 3.5: Reason inductively from a set of specific facts and deductively from general premises
A.9: Lay out and construct a truss for a farm building (A009)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.5: Perform or produce works in the fine and practical arts 3.5: Reason inductively from a set of specific facts and deductively from general premises
A.10: Describe how to attach different types of roofing (A010)	SC.1: properties and principles of matter and energy	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.5: Perform or produce works in the fine and practical arts 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.11: Read plans, identify materials and types of utility buildings (A011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals
A.12: Select buildings and equipment for the different swine systems (A012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 2.2: Review and revise communications to improve accuracy and clarity 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
A.13: Identify, select, and check the quality of lumber used in farm structures (A013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Competency Profile Date: 1994

Agricultural Structures I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.14: Use basic design criteria to plan feeding, waste management, and material handling facilities (A014)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.15: Identify the types and designs of pole buildings and their methods of construction (A015)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Structures I

Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.16: Discuss the terms, dangers, and safety practices associated with constructing farm buildings (A016)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Calculate how much water is needed to meet home and farm needs (B001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems
B.2: Determine water pollution, prevention of pollution, when water is safe to use, and methods of purification (B002)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.3: Determine the need for water conditioning (B003)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.4: Describe the methods of water conditioning and their advantages and disadvantages (B004)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.5: Determine pump capacity, type and size required to meet peak water use demands (B005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.6: Design an underground piping system, given the sizes and dimensions needed to meet the demand (B006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.7: Explain what wiring installation is necessary to protect the motor and the motor circuit (B007)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.1: Define the characteristics of waste disposal systems (C001)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.2: Identify different groups of wastes and the hazards of these wastes (C002)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.3: Select a collection system by considering the type of facility, labor requirements, investment, and total waste handling needs (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.4: Determine runoff flow, methods of collection and select proper waste system (C004)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.5: Identify flushing devices and describe the two designs of flushing devices (C005)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Agricultural Structures I

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.6: List the types of storage units and needs of a storage system (C006)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.7: Separate solids and liquids using settling, screening, and evaporation techniques (C007)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.8: Identify the advantages and disadvantages of different biological treatment systems (C008)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.9: Identify the waste transport systems available for moving manure (C009)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.10: Plan for an effective and profitable utilization of livestock wastes (C010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.1: Lay out clean fence lines (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.2: Set and brace wood and steel posts (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.3: Build barbed wire and woven wire fences (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.4: Design and install gates for electric fences (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.5: Install cable fence springs; stretch and secure cable (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.6: Design and install welded-wire panel fences (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.7: Design and install board fences (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.8: Build metal, wood, and temporary gates (D008)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.9: Discuss the terms, dangers and safety practices associated with building fences (D009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

NOTES: The code in parentheses is the competency identification number used in computerized management systems. All competencies involving safety require a Number 3 rating.

Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: List the raw material components of concrete (E001)		1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises
A.2: Discuss component quality, mix a batch of concrete and conduct a slump test (E002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.3: Prepare the slab site location (E003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.4: Finish the concrete slab surface (E004)	SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.5: Explain the curing process of concrete (E005)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
A.6: Calculate the quantity of materials needed to complete a concrete job (E006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
A.7: List procedure for constructing and removing forms (E007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.8: Explain the reasons and methods for placing and reinforcing concrete (E008)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.2: Develop and apply strategies based on ways others have prevented or solved problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
A.9: List the three main concrete surface defects, their causes and preventive procedures (E009)	SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.10: List the ways to roughen new and hardened floors (E010)	SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.11: Name the types of concrete masonry and why they are used in the building industry (E011)		1.3: Design and conduct field and laboratory investigations to study nature and society 2.5: Perform or produce works in the fine and practical arts
A.12: Lay out the corners of a building without surveying equipment (E012)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.13: Plan, form, and cast a footing for a concrete block building (E013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
A.14: Prepare a mortar mix for concrete masonry (E014)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
A.15: Lay out, mortar, and construct the first course of blocks (E015)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
A.16: Construct a block corner (E016)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Competency Profile Date: 1994

Agricultural Structures II

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.17: Use the mason's line and lay blocks between corners (E017)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.18: Explain why mortar joints are tooled and the procedure for tooling a joint (E018)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
A.19: Set anchor bolts, plan drainage, and protect walls (E019)	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
A.20: Discuss the terms, dangers, and safety practices associated with concrete work (E020)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Identify drawing instruments (F001)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements
B.2: Perform the basic procedures in mechanical drawing (F002)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Competency Profile Date: 1994

Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.3: Draw letters in the vertical capital style of lettering (F003)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements
B.4: Identify and draw isometric, oblique, orthographic, and cross-sectional drawings (F004)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements
B.5: Read and interpret a working plan (F005)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements
B.6: Develop a bill of materials for a construction project (F006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems
C.1: Explain the flow of materials concept and the need for planning (G001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.2: Set up and expand a closed-loop grain-handling system (G002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.3: Compare gravity and conveyor systems; as well as bin types, sizes, and uses (G003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1994

Agricultural Structures II

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.4: Design a grain-handling system by matching controls and components (G004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.5: Identify the components of a materials flow system (G005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.6: Evaluate factors affecting storage of grain (G006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
D.1: Discuss the terms, dangers, and safety practices associated with electrical work (H001)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
D.2: Define the use of GFCI's and explain their uses in farm structures (H002)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources

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Agricultural Structures II

Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.3: Identify the symbols used in farm wiring plans (H003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
D.4: Match the types of wire with their uses (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
D.5: Locate lights, outlets, and switches, and identify protection needs in farm structures (H005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.6: Plan the electrical power needs of farm structures (H006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.7: Calculate the electrical power needs of farm structures (H007)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Agricultural Structures II

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.8: Select feeder wires based on amperage load and wire run (H008)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.9: Run electric lines to an agricultural structure (H009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.10: Connect the drop wires and branch circuit wires to the S.E.P. (H010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.11: Run wires from the service entrance panel to the outlets of each circuit (H011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.12: Wire junction boxes, simple light and receptacle circuits, and splice wires (H012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.13: Calculate cost and electric power using Ohm's Law (H013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.14: Install lighting arrestors (H014)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.1: List procedures for establishing a plumbing system (I001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.2: Identify the equipment and supplies needed to install or repair on-farm water systems (I002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
E.3: Identify the types of pipe and fittings used in farm plumbing (I003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
E.4: Measure, cut, and join pipe by cementing and threading (I004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.1: Develop questions and ideas to initiate and refine research

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.3: data analysis, probability and statistics	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.5: Identify and install different methods of waterpipe protection to prevent freezing (I005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
E.6: Discuss the terms, dangers, and safety practices associated with plumbing work (I006)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.3: Design and conduct field and laboratory investigations to study nature and society

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.1: Describe the energy systems being currently used (J001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Identify basic solar energy principles that apply to planning agricultural buildings (J002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information

Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Identify the principles of a passive solar system (J003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Identify the principles of an active solar system (J004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Identify the parts needed, efficiency and applicability of alternate energy systems (J005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Explain the procedure for converting manure to methane gas (J006)	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

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1281

1282

Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
G.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
G.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.8: Explore, prepare for and seek educational and job opportunities
G.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
G.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Agricultural Structures II

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem
H.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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NOTE: The code in parentheses is the competency indentification number used in computerized management systems.

Animal Science

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
..1: The student has mastered the related competencies of Agricultural Science I and II.		
A.1: Identify the importance of nutrition to agriculture (A001)	SC.1: properties and principles of matter and energy SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
A.2: Compare and contrast the digestive systems of livestock (A002)	SC.3: characteristics and interactions of living organisms	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises
A.3: Describe energy's role in nutrition (A003)	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
A.4: Describe protein's role in nutrition (A004)	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.1: properties and principles of matter and energy	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms	1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
A.5: Describe minerals' role in nutrition (A005)	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Animal Science

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.6: Describe vitamins' role in nutrition (A006)	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
A.7: Describe the role of water in nutrition (A007)	HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SC.1: properties and principles of matter and energy SC.2: properties and principles of force and motion SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
A.8: Describe environmental effects on nutrition (A008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
A.9: Formulate a ration for different classes of livestock (A009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources

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Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.1: Describe the importance of genetics on agriculture (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.2: Describe the basic building blocks of genetics (B002)	SC.3: characteristics and interactions of living organisms	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.3: Describe animal cell division (B003)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
B.4: Describe basic principles of genetics (B004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
B.5: Describe selection tools for genetic improvement of beef (B005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1994

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.6: Describe selection tools for genetic improvement of dairy herds (B006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions
B.7: Describe selection tools for genetic improvement of sheep (B007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions
B.8: Describe selection tools for genetic improvement of swine (B008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.1: Identify the importance of reproduction in livestock production (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
C.2: Describe the hormonal system in livestock reproduction (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
C.3: Describe the reproductive cycle of common production livestock (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
C.4: Sequence the fetal developmental stages of livestock (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises
C.5: Describe the effects of the environment on the reproductive cycle (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.5: Reason inductively from a set of specific facts and deductively from general premises
C.6: Describe how management and technology are utilized to affect the reproductive cycle (C006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas

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Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.1: Identify the importance of animal health in livestock (D001)	HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
D.2: Describe aspects of the immune system of domestic livestock (D002)	HP.1: structures of, functions of, and relationships among human body systems SC.3: characteristics and interactions of living organisms SS.2: continuity and change in the history of Missouri, the United States and the world SS.3: principles and processes of governance systems SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions
D.3: Describe the diseases of the respiratory system affecting livestock (D003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
D.4: Describe the diseases of the gastrointestinal tract in livestock (D004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
D.5: Describe the diseases of the reproductive system in livestock (D005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society

Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
D.6: Describe the major external and internal parasites of livestock (D006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas

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Animal Science

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.7: Describe animal health quality assurance programs (D007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Fish and Wildlife Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Define and describe natural resource conservation (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.2: continuity and change in the history of Missouri, the United States and the world	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.8: Explore, prepare for and seek educational and job opportunities
A.2: Compare historical fish and wildlife trends and the public's response (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SS.2: continuity and change in the history of Missouri, the United States and the world SS.6: relationships of the individual and groups to institutions and cultural traditions	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
A.3: Outline the variety of jobs in conservation organizations, educational requirements, employment opportunities, and how to prepare for a professional conservation career (A003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	4.8: Explore, prepare for and seek educational and job opportunities
A.4: Distinguish the difference between basic fish and wildlife legalities and ethics (A004)	CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.8: impact of science, technology and human activity on resources and the environment SS.2: continuity and change in the history of Missouri, the United States and the world SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	3.8: Assess costs, benefits and other consequences of proposed solutions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Calculate the commercial value of fish and wildlife resources and how it can benefit the economy and landowners (B001)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.2: List the different recreational values of fish and wildlife resources (B002)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.3: Explain how naturally occurring living organisms benefit humans and the environment (B003)	SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 4.1: Explain reasoning and identify information used to support decisions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.4: Describe the social values and benefits associated with fish and wildlife resources (B004)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.5: Describe the aesthetic value of fish and wildlife resources (B005)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.6: Describe the scientific and educational values of fish and wildlife resources (B006)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
B.7: Evaluate the negative impacts wild animals have on humans and the objective of wildlife damage control (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control SS.3: principles and processes of governance systems SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 3.6: Examine problems and proposed solutions from multiple perspectives 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.1: Explain ecological principles and how they apply to fish and wildlife management (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
C.2: Design a cropland management plan for wildlife (C002)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.3: Select grassland management practices that improve livestock forage and wildlife habitat (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.6: Examine problems and proposed solutions from multiple perspectives 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.4: Assess how forest management can be used to improve wildlife habitat (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.1: Develop questions and ideas to initiate and refine research

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.6: Examine problems and proposed solutions from multiple perspectives 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.5: Define and describe wetlands and their importance (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.8: Explore, prepare for and seek educational and job opportunities
C.6: Describe stream behavior and relate how it affects fish and wildlife habitat (C006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.6: Examine problems and proposed solutions from multiple perspectives
C.7: Plan a pond using appropriate construction and management techniques (C007)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 2.7: Use technological tools to exchange information and ideas

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Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks
C.8: Describe the government conservation assistance available to Missouri landowners (C008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment SS.1: principles expressed in the documents shaping constitutional democracy in the United States	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 2.7: Use technological tools to exchange information and ideas 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
D.1: Outline life history of the bobwhite quail (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
D.2: Outline life history of the white-tailed deer (D002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
D.3: Outline life history of the largemouth bass (D003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
D.4: Outline life history of the bald eagle (D004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
E.1: Relate the reasons for fish and wildlife regulations and describe how they are made and enforced in Missouri (E001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies
E.2: Describe the legal process associated with fish and wildlife violations (E002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies
F.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
F.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
F.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
F.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
F.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
G.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the	1.4: Use technological tools and other resources to locate, select and organize information

KEY: * = may use all "to do" statements # = same Frameworks as previous competency
98 = same Frameworks as previous competency 99 = "to know" statements may not be applicable

Competency Profile Date: 1993

Fish and Wildlife Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	workplace and other situations	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
G.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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Competency Profile Date: 1993

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Floristry

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A..1: Identify the structure of the floristry industry (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.2: continuity and change in the history of Missouri, the United States and the world	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.8: Explore, prepare for and seek educational and job opportunities
A..2: Describe career opportunities in floristry (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	4.8: Explore, prepare for and seek educational and job opportunities
B.1: Describe the factors involved in identifying plants (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.2: Identify plants and plant parts used in the floristry industry	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
C.1: Describe how plant processes affect shelf life (C001)	CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.6: Apply communication techniques to the job search and to the workplace 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Competency Profile Date: 1996

Floristry

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	4.8: Explore, prepare for and seek educational and job opportunities
C.2: Demonstrate techniques for the processing of cut plant materials (C002)	CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.3: principles and processes of governance systems SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.6: Apply communication techniques to the job search and to the workplace 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
C.3: Demonstrate the care of potted plants (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
D.1: Identify and safely use tools and supplies. (D001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
D.2: Construct bows using basic ribbon widths (D002)	FA.2: the principles and elements of different art forms MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	2.5: Perform or produce works in the fine and practical arts
D.3: Select and prepare appropriate containers (D003)	FA.2: the principles and elements of different art forms	2.5: Perform or produce works in the fine and practical arts
D.4: Perform basic wiring and taping techniques (D004)	FA.2: the principles and elements of different art forms	2.5: Perform or produce works in the fine and practical arts
D.5: Package flowers and arrangements for delivery (D005)	CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Floristry

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.4: changes in ecosystems and interactions of organisms with their environments SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	4.8: Explore, prepare for and seek educational and job opportunities
E.1: Identify basic principles of floral arranging and elements of design (E001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.3: the vocabulary to explain perceptions about and evaluations of works in dance, music, theater and visual arts	2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas
E.2: Identify design shapes (E002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.3: the vocabulary to explain perceptions about and evaluations of works in dance, music, theater and visual arts	2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas
F.1: Identify how floral designs are used (F001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.6: relationships of the individual and groups to institutions and cultural traditions	2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.2: Construct flowers to wear (F002)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.3: Construct a bud vase (F003)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.4: Construct a one-sided arrangement (F004)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.5: Construct a centerpiece (F005)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.6: Construct an evergreen wreath (F006)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.7: Construct a silk arrangement (F007)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions

1331

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1332

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.8: Construct a dried arrangement (F008)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
F.9: Construct a dish garden (F009)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
G.1: Demonstrate a sales transaction (G001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
G.2: Deliver a floral arrangement (G002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
G.3: Calculate the price of floral products (G003)	FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

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Competency Profile Date: 1996

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.8: Explore, prepare for and seek educational and job opportunities
G.4: Assist in completing an inventory (G004)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.8: Explore, prepare for and seek educational and job opportunities
G.5: Create displays (G005)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals
G.6: Maintain the floral shop area (G006)	SS.6: relationships of the individual and groups to institutions and cultural traditions	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.1: Explain reasoning and identify information used to support decisions
G.7: Prepare an advertisement (G007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information

Floristry

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	FA.2: the principles and elements of different art forms HP.1: structures of, functions of, and relationships among human body systems MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks

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NOTE: The code in parentheses is the competency identification number used in computerized management systems. An asterisk (*) in the curriculum frameworks column(s) indicates all "to do" statements in that section are applicable.

Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Describe factors related to food preservation. (A001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.2: Describe factors that contribute to food deterioration. (A002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Explain procedures used to process food safely. (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8 impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.2: Describe the complexity of development of food products. (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.3: Identify products produced from different grades of raw milk. (B003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.4: Summarize how dairy products are processed and packaged. (B004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Food Science and Technology

Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.5: Compare egg processing techniques to egg products. (B005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.6: List the products and by-products from meat animals. (B006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Competency Profile Date: 1994

Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.7: Describe the processing of meat animals. (B007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.8: Explain the relationship between quality grades, inspections, and brand names in the meat industry. (B008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.9: Identify the products of grain crops. (B009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

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Food Science and Technology

Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions
B.10: Explain the processing of grain crops. (B010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
B.11: Identify fruit, vegetable, and nut products and factors that determine quality. (B011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.12: Explain how fruits, vegetables, and nuts are processed. (B012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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1376

Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.1: Identify the factors that affect food safety and quality. (C001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.2: Describe problems resulting from food deterioration. (C002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.3: Describe the nutritional properties of foods. (C003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
C.4: Describe how processing techniques influence the nutritional value of food. (C004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.5: Describe the role of biotechnology in the food industry (C005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.1: Describe the factors that affect consumer choices of food. (D001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.2: Interpret a food label. (D002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements

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Food Science and Technology

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.3: Compare the nutritional value of beverages. (D003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.4: Describe the relationship between diet and health. (D004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Explain professional conservation career opportunities and their requirements with an emphasis on	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.2: Conduct research to answer questions and evaluate information and ideas
A.2: Explain technical forestry career opportunities and their requirements (A002)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 4.8: Explore, prepare for and seek educational and job opportunities
B.1: Identify common Missouri trees without the use of a key (B001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society
B.2: Describe and use a plant identification key (B002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society
B.3: Describe the silvics of common Missouri trees (B003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.4: Describe different tree uses (B004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	4.3: Analyze the duties and responsibilities of individuals in societies 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.5: Describe Missouri forest types (B006)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others
C.1: Interpret surface features using aerial photographs and topographic maps (C001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society
C.2: Locate a tract of land by using a map and the legal description (C002)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources
C.3: Make measurements by chaining, pacing, and using a hand compass (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.4: Estimate diameter at breast height, tree height, and basal area per acre (C010)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.5: Describe and estimate site index (C011)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.6: Describe stand density and determine stocking level (C012)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.7: Estimate the volume of standing timber (C008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.2: Understand and apply the rights and responsibilities of citizenship in Missouri and the United States 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others 4.8: Explore, prepare for and seek educational and job opportunities

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Forest Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.8: Identify criteria used in grading trees (C009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.1: List factors to consider when selecting a tree species for planting (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.2: Describe the advantages and disadvantages of different site preparation methods (D002)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas

Forest Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
D.3: Identify and select proper methods for planting and seeding trees by hand and machine (D003)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.1: Explain reasoning and identify information used to support decisions
D.4: Design a windbreak (D004)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
D.5: Describe principles of natural regeneration (D006)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
D.6: Describe intermediate cuttings and apply tree deadening methods (D010)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment	1.1: Develop questions and ideas to initiate and refine research 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
D.7: Describe and demonstrate pruning techniques (D008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
D.8: Demonstrate chain saw safety and maintenance procedures (D009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.8: impact of science, technology and human activity on resources and the environment	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.7: Evaluate the extent to which a strategy addresses the problem
E.1: Describe watershed concepts and protection measures (E001)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 3.1: Identify problems and define their scope and elements 4.1: Explain reasoning and identify information used to support decisions
E.2: Describe the causes, effects, behavior factors, and control methods associated with forest fires (E007)		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.5: Reason inductively from a set of specific facts and deductively from general premises

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Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.3: Describe common insect and disease problems in Missouri forests (E004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas
E.4: Assess how forest management can be used to improve wildlife habitat (E005)	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives

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Competency Profile Date: 1993

Forest Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies
E.5: List the effects recreation can have on the forest (E006)		1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions
F.1: Identify sources of forestry assistance available to landowners (F001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 3.4: Evaluate the processes used in recognizing and solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
F.2: Prepare a forest management plan (F002)	SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 4.8: Explore, prepare for and seek educational and job opportunities
G.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
G.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas

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Forest Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
G.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
G.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
G.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem
H.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
H.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

NOTE: The code in parentheses is the compentency identification number used in computerized management systems.

Greenhouse Operation and Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Recognize the scope and development of the greenhouse (floriculture) industry (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.2: continuity and change in the history of Missouri, the United States and the world	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.8: Explore, prepare for and seek educational and job opportunities
A.2: Describe the economic importance of greenhouse crops grown in Missouri (A002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.6: discrete mathematics (such as graph theory, counting techniques, matrices) SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks
A.3: Recognize career opportunities in the greenhouse industry (A003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.1: Develop questions and ideas to initiate and refine research 1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Greenhouse Operation and Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.6: relationships of the individual and groups to institutions and cultural traditions	2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
A.4: Identify different greenhouse parts, structures, and coverings (A004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.3: data analysis, probability and statistics SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.5: Describe the operation of environmental controls and equipment found in a greenhouse (A005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.6: Analyze suitable interior layouts according to greenhouse purpose (A006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.4: patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Greenhouse Operation and Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.7: Describe different modifications and procedures used to conserve energy in greenhouses (A007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.1: properties and principles of matter and energy SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.4: Evaluate the processes used in recognizing and solving problems
A.8: Identify plant parts, structures, and functions (A008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity
A.9: Describe the plant processes involved with plant growth (A009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.1: Identify problems and define their scope and elements

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Greenhouse Operation and Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.10: Describe environmental effects on plant growth (A010)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
A.11: Identify the effects that pruning and chemical growth regulators have on plant development (A011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
A.12: Identify plants that are important to the Missouri floriculture industry (A012)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.13: Start plants from seeds (A013)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
A.14: Start plants by asexual propagation methods (A014)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1993

Greenhouse Operation and Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
A.15: Prepare a soilless growing medium (A015)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
A.16: Identify the basic types and sizes of containers used in the commercial greenhouse (A016)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks
A.17: Describe the factors involved in the proper watering of greenhouse plants (A017)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems
A.18: Describe the principles and techniques for proper fertilization of greenhouse crops (A018)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

Greenhouse Operation and Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment	
A.19: Identify common pests and diseases found in Missouri greenhouses (A019)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
A.20: Describe control methods, chemical formulations, and equipment used to control pests in the greenhouse (A025)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control SC.3: characteristics and interactions of living organisms	3.6: Examine problems and proposed solutions from multiple perspectives 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
A.21: Identify safety guidelines for pesticide use (A021)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
A.22: Prepare a plant for sale (A022)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
A.23: Describe the various types of records kept in a greenhouse business (A023)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace

Greenhouse Operation and Management

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.24: Describe the relevance of the United States Plant Protection Act and the Missouri Plant Law (A024)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
B.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
B.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
B.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
B.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
B.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
C.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the	1.4: Use technological tools and other resources to locate, select and organize information

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Greenhouse Operation and Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	workplace and other situations	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
C.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Identify nursery plants (A001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.2: Identify floriculture crops (A002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.3: Identify fruits and nuts (A003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.4: Identify turf grasses (A004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
A.5: Identify vegetables (A005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.1: Maintain lawns and turf (B001)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	
B.2: Maintain orchards and vineyards (B002)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.3: Maintain ornamentals (B003)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.4: Maintain small fruits and vegetables (B004)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	
B.5: Maintain floriculture crops (B005)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
B.6: Maintain interiorscaping plants (B006)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives
C.1: Develop design (C001)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.2: Develop public area (C002)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.3: Develop service area (C003)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.4: Develop private and family area (C004)	CA.2: reading and evaluating fiction, poetry and drama CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas CA.7: identifying and evaluating relationships between language and culture FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.5: Choose corner plantings (C005)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.3: Design and conduct field and laboratory investigations to study nature and society

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Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.6: Choose entrance plantings (C006)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.7: Choose foundation plantings (C007)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Horticulture

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(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.8: Choose ground cover plantings (C008)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.9: Determine areas appropriate for planting (C009)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
C.10: Determine planting patterns (C010)	CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.11: Interpret landscape/interiorscape plans (C011)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.7: Evaluate the accuracy of information and the reliability of its sources 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 4.1: Explain reasoning and identify information used to support decisions
D.1: Use correct floral design terminology (D001)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.2: Identify common tools and mechanics used in arranging flowers (D002)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.3: Identify the types of flowers that can be used in floral design (D003)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.4: Identify the basic principles of floral design (D004)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.6: Discover and evaluate patterns and relationships in information, ideas and structures
D.5: Identify the basic floral design shapes (D005)	FA.4: interrelationships of visual and performing arts and the relationships of the arts to other disciplines	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures
D.6: Design a fresh floral arrangement (D006)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
D.7: Design a dried and/or silk floral arrangement (D007)	CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.6: relationships of the individual and groups to institutions and cultural traditions	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
D.8: Perform basic wiring techniques (D008)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.6: relationships of the individual and groups to institutions and cultural traditions	1.5: Comprehend and evaluate written, visual and oral presentations and works 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.2: Develop and apply strategies based on ways others have prevented or solved problems 4.1: Explain reasoning and identify information used to support decisions
D.9: Construct bows using basic ribbon widths (D009)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
D.10: Construct different types of corsages (D010)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities

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	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	
D.11: Construct different types of boutonnieres (D011)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
D.12: Construct a floral design using Christmas greens (D012)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
D.13: Construct wedding floral designs (D013)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
D.14: Construct funeral floral designs (D014)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.5: Perform or produce works in the fine and practical arts 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
D.15: Prepare, design, and plant a dish garden (D015)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.4: Evaluate the processes used in recognizing and solving problems 4.8: Explore, prepare for and seek educational and job opportunities

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	
D.16: Prepare, design, and plant a terrarium (D016)	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.1: process and techniques for the production, exhibition or performance of one or more of the visual or performed arts FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.4: Evaluate the processes used in recognizing and solving problems 4.8: Explore, prepare for and seek educational and job opportunities
D.17: Package florist flowers/arrangements for delivery (D017)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
E.1: Take soil samples (E001)	SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas
E.2: Interpret data of soil sample analysis (E002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas
E.3: Prepare planting media (soilless mix) (E003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Sterilize (pasteurize) soils/soilless mixes (E004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
E.5: Fertilize media/soil (E005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere	1.2: Conduct research to answer questions and evaluate information and ideas 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
E.6: Plan/construct drainage system (E006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.7: Apply lime and nutrients (organic and inorganic) (E007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
E.8: Plan and prepare fields (E008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.9: Plan and prepare beds (E009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.5: Reason inductively from a set of specific facts and deductively from general premises 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.1: Maintain dormant plants (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.4: changes in ecosystems and interactions of organisms with their environments	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.2: Develop and apply strategies based on ways others have prevented or solved problems

1461

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1462

Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	4.1: Explain reasoning and identify information used to support decisions
F.2: Prepare/plant seeds (F002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
F.3: Prepare/plant bulbs, corms, tublars, rhizomes, and roots (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
F.4: Prepare/transplant seedlings, cuttings, and stolens (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
F.5: Prepare/transplant large plants (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.8: impact of science, technology and human activity on resources and the environment	1.4: Use technological tools and other resources to locate, select and organize information 3.6: Examine problems and proposed solutions from multiple perspectives 4.1: Explain reasoning and identify information used to support decisions
F.6: Apply correct mulch (F006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
G.1: Label plants (G001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	4.8: Explore, prepare for and seek educational and job opportunities
G.2: Set time clocks for automatic mist propagation system (G002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	4.8: Explore, prepare for and seek educational and job opportunities

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Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.3: Propagate plants by taking cuttings (G003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.4: Propagate plants through layerage techniques (G004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.5: Propagate plants by division (G005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.6: Propagate plants by budding (G006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.7: Propagate plants by grafting (G007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.8: Remove propagated plants (G008)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
G.9: Handle propagated plants for shipping or receiving (G009)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1993

Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
H.1: Pinch flowering plants (H001)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.2: Disbud flowering plants (H002)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.3: Prune plants (H003)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.4: Apply growth regulating chemicals (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
H.5: Force bulbs (control temperature, moisture, and light) (H005)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.6: Apply shade material (H006)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.7: Install black cloth to regulate photoperiod (H007)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.8: Provide the required light intensity and length for photoperiod control (H008)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.9: Adjust or control closed environment temperature (H009)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.10: Provide for low temperature control in fields (H010)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Horticulture

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
H.1: Pinch flowering plants (H001)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.2: Disbud flowering plants (H002)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.3: Prune plants (H003)	SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.4: Apply growth regulating chemicals (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.5: methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.3: characteristics and interactions of living organisms	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
H.5: Force bulbs (control temperature, moisture, and light) (H005)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.6: Apply shade material (H006)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.7: Install black cloth to regulate photoperiod (H007)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.8: Provide the required light intensity and length for photoperiod control (H008)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.9: Adjust or control closed environment temperature (H009)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.10: Provide for low temperature control in fields (H010)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.11: Provide for high temperature control in fields (H011)	SC.4: changes in ecosystems and interactions of organisms with their environments	4.4: Recognize and practice honesty and integrity in academic work and in the workplace
H.12: Cultivate soils (H012)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.13: Aerate compacted soils (H013)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.14: Provide plant support (H014)	MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.15: Apply granular fertilizer (H015)	MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
H.16: Apply liquid fertilizer (H016)	MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
I.1: Calculate amount/source of water needed (I001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
I.2: Set time control valves (I002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
I.3: Hand water plants (I003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
I.4: Regulate furrow irrigation (I004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
I.5: Regulate overhead irrigation (I005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
I.6: Regulate trickle irrigation (I006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SC.8: impact of science, technology and human activity on resources and the environment	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
J.1: Identify plant disease (J001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.3: Design and conduct field and laboratory investigations to study nature and society

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	
J.2: Identify insect damage (J002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society
J.3: Identify chemical and environmental damage (J003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society
J.4: Identify mechanical damage (J004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society
J.5: Identify weeds (J005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society
J.6: Determine correct control procedures (J006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control SC.3: characteristics and interactions of living organisms	3.6: Examine problems and proposed solutions from multiple perspectives 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
J.7: Safely mix chemicals (J007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
J.8: Safely apply chemicals (J008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment	3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
J.9: Provide biological controls (J009)	SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
J.10: Remove diseased plants (J010)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	4.8: Explore, prepare for and seek educational and job opportunities
J.11: Remove weeds manually from crops (J011)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	4.8: Explore, prepare for and seek educational and job opportunities
J.12: Remove weeds with mechanical aids (J012)	HP.3: diseases and methods for prevention, treatment and control SC.8: impact of science, technology and human activity on resources and the environment	4.8: Explore, prepare for and seek educational and job opportunities
J.13: Set out poisoned bait to eradicate rodents (J013)	HP.3: diseases and methods for prevention, treatment and control	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
J.14: Safely store chemicals and equipment (J014)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control HP.7: responses to emergency situations MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
K.1: Harvest plants or plant products at proper stage (K001)	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
K.2: Count plants or plant products (K002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
K.3: Clean and size harvested plants or plant products (K003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
K.4: Load plants for hauling (K004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.8: Explore, prepare for and seek educational and job opportunities
K.5: Dry harvested crops which require curing (K005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
K.6: Treat harvested crops for reduction of spoilage (K006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) SC.8: impact of science, technology and human activity on resources and the environment	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.8: Explore, prepare for and seek educational and job opportunities
L.1: Grade for size and quality plants or plant products (L001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
L.2: Place plants or products in proper storage (L002)	SC.4: changes in ecosystems and interactions of organisms with their environments	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
L.3: Prepare invoices and shipping labels (L003)	CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
L.4: Package orders for shipment (L004)	CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
L.5: Assemble shipping cartons (L005)	CA.7: identifying and evaluating relationships between language and culture MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.4: changes in ecosystems and interactions of organisms with their environments SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.8: Explore, prepare for and seek educational and job opportunities
L.6: Inventory plants or plant products (L006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the	4.8: Explore, prepare for and seek educational and job opportunities

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	workplace and other situations	
L.7: Observe federal and state shipping standards (L007)	CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.3: principles and processes of governance systems	2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
M.1: Maintain gasoline engines (M001)		
M.2: Maintain diesel engines (M002)		
M.3: Maintain electric motors (M003)		
M.4: Maintain large implements (M004)		
M.5: Maintain small implements (M005)		
M.6: Correctly store implements (M006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	4.8: Explore, prepare for and seek educational and job opportunities
M.7: Sharpen hand tools (M007)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	4.8: Explore, prepare for and seek educational and job opportunities
M.8: Repair growing structures (M008)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.6: Examine problems and proposed solutions from multiple perspectives 3.8: Assess costs, benefits and other consequences of proposed solutions
M.9: Locate and report any malfunctions of liquid injection systems (M009)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
M.10: Repair and maintain irrigation system (M010)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
M.11: Repair and maintain spray equipment (M011)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

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NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Landscaping and Turf Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Explain the importance of landscaping and turfgrass industries today and in the future (A001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) FA.2: the principles and elements of different art forms HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) MA.3: data analysis, probability and statistics SC.8: impact of science, technology and human activity on resources and the environment SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.2: Identify and describe landscape and turfgrass jobs (A002)	SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	2.6: Apply communication techniques to the job search and to the workplace 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.8: Explore, prepare for and seek educational and job opportunities
B.1: Label plant parts and structures correctly and identify the differing growth patterns of monocot and dicot plants (B001)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) SC.3: characteristics and interactions of living organisms	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.2: Demonstrate knowledge of soil properties and how soil quality relates to plant growth; assess the soil at a planting site and determine how to improve it, if needed (B002)	SC.1: properties and principles of matter and energy SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences
B.3: Describe environmental factors that should be considered before selecting a plant for the landscape (B003)	SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.6: composition and structure of the universe and the motions of the objects within it SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems
C.1: Identify the basic structural features of trees and shrubs (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
C.2: Identify the distinguishing characteristics for common narrow-leaf evergreens (C002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
C.3: Identify selected trees (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
C.4: Identify selected shrubs (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
C.5: Identify ground covers, vines, and perennials (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.6: Identify characteristics of grasses (C006)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
C.7: Identify the six major turfgrasses used in Missouri (C007)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.7: Evaluate the accuracy of information and the reliability of its sources 4.8: Explore, prepare for and seek educational and job opportunities
D.1: Identify and maintain hand tools and equipment (D001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
D.2: Identify, maintain, and safely use power tools (D002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations SC.7: processes of scientific inquiry (such as formulating and testing hypotheses) SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 2.6: Apply communication techniques to the job search and to the workplace 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.1: Describe how various types of pesticides work (E001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
E.2: Accurately interpret a pesticide label for information about use, effectiveness, and safe handling (E002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.3: Identify safety precautions that should be followed when using pesticides (E003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.8: impact of science, technology and human activity on resources and the environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.6: Examine problems and proposed solutions from multiple perspectives 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.1: Transplant a tree or shrub and properly plant a bare-root, container-grown, or B and B tree or shrub (F001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.2: Stake and guy a newly-planted tree; wrap, prune, and apply antitranspirants to young trees (F002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.3: Prune trees, shrubs, hedges, and roses (F003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.4: Fertilize trees and shrubs (F004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.5: Determine the best methods of irrigation in various situations (F005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
F.6: Recognize common insects and diseases, the type of damage or symptoms they cause, and recommended control methods (F006)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.6: consumer health issues (such as the effects of mass media and technologies on safety and health) SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 3.4: Evaluate the processes used in recognizing and solving problems 4.1: Explain reasoning and identify information used to support decisions 4.6: Identify tasks that require a coordinated effort and work with others to complete those tasks 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
G.1: Prepare the soil of a flower bed, determine the number of plants to use, and transplant bedding plants and ground covers (G001)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
G.2: Maintain bedding plants and ground covers (G002)	MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.7: Evaluate the accuracy of information and the reliability of its sources 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.7: Use technological tools to exchange information and ideas 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.1: List advantages and disadvantages of the six major turfgrasses grown in Missouri (H001)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.2: Describe the procedure for installing a lawn (H002)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
H.3: Maintain turf by properly fertilizing, watering, and mowing (H003)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.4: Explain how to successfully cultivate or renovate a lawn (H004)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
H.5: Identify common pests in turfgrass and explain how to control these pests (H005)	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) HP.3: diseases and methods for prevention, treatment and control MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.3: Design and conduct field and laboratory investigations to study nature and society 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 3.5: Reason inductively from a set of specific facts and deductively from general premises 3.8: Assess costs, benefits and other consequences of proposed solutions 4.7: Identify and apply practices that preserve and enhance the safety and health of self and others
I.1: Analyze a landscape site (I001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
I.2: Draw a base map to scale (I002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
I.3: Effectively use design symbols in a landscape plan (I003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.8: impact of science, technology and human activity on resources and the environment SS.3: principles and processes of governance systems SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.3: Design and conduct field and laboratory investigations to study nature and society 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions
J.1: Select trees for specific purposes in the landscape (J001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
J.2: Select effective shrubs and hedges for landscape (J002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
J.3: Describe the uses of vines and ground covers and select the species to suit the location to be planted (J003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities

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Competency Profile Date: 1994

Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
J.4: Select a location and plants for a perennial bed or border (J004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
J.5: Select a turfgrass for a specific growing site (J005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments SC.5: processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.2: Review and revise communications to improve accuracy and clarity 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.8: Explore, prepare for and seek educational and job opportunities
K.1: Identify and explain the four elements of landscape design (K001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions

KEY:
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Competency Profile Date: 1994

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
K.2: Implement the use of natural and manufactured enrichments in a landscape plan (K002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
K.3: Identify the five principles of design (K003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
K.4: Apply both the principles and elements of design to create a landscape plan (K004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas FA.2: the principles and elements of different art forms MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes SC.8: impact of science, technology and human activity on resources and the environment SS.5: the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals 4.8: Explore, prepare for and seek educational and job opportunities
L.1: Calculate the price of landscape design (L001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama FA.2: the principles and elements of different art forms HP.4: principles of movement and physical fitness MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals

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Landscaping and Turf Management

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
L.2: Price various components of landscape maintenance (L002)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) CA.2: reading and evaluating fiction, poetry and drama FA.2: the principles and elements of different art forms HP.4: principles of movement and physical fitness MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.2: geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes MA.5: mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples) SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.1: Develop questions and ideas to initiate and refine research 1.2: Conduct research to answer questions and evaluate information and ideas 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.9: Identify, analyze and compare the institutions, traditions and art forms of past and present societies 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.4: Evaluate the processes used in recognizing and solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.4: Recognize and practice honesty and integrity in academic work and in the workplace 4.5: Develop, monitor and revise plans of action to meet deadlines and accomplish goals

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Competency Profile Date: 1994

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
A.1: Develop a forest management plan	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
A.2: Determine timber markets	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SS.2: continuity and change in the history of Missouri, the United States and the world SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.4: Use technological tools and other resources to locate, select and organize information 1.4: Use technological tools and other resources to locate, select and organize information 1.5: Comprehend and evaluate written, visual and oral presentations and works 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Competency Profile Date: 1993

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.4: Evaluate the processes used in recognizing and solving problems 3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 3.8: Assess costs, benefits and other consequences of proposed solutions 4.8: Explore, prepare for and seek educational and job opportunities
A.3: Keep and analyze business records	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
A.4: Identify tax benefits available for timber landowners	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics SS.4: economic concepts (including productivity and the market system) and principles (including the laws of supply and demand) SS.6: relationships of the individual and groups to institutions and cultural traditions SS.7: the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 3.1: Identify problems and define their scope and elements 3.2: Develop and apply strategies based on ways others have prevented or solved problems 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.6: Examine problems and proposed solutions from multiple perspectives

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		3.7: Evaluate the extent to which a strategy addresses the problem 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions 4.3: Analyze the duties and responsibilities of individuals in societies
A.5: Prepare and complete a bid form for forest products	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.6: Prepare and complete a timber contract	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
A.7: Identify sources of forestry assistance available to the landowner	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
B.1: Select and mark trees to be felled	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.2: Calculate volume of saw logs	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences

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Competency Profile Date: 1993

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
B.3: Develop a logging plan	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.4: List the procedures to follow when felling trees	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity

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Competency Profile Date: 1993

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.5: List procedures to follow when limbing trees	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.6: List the procedures to follow when bucking trees	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

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Processing and Marketing Forest Products

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(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.6: participating in formal and informal presentations and discussions of issues and ideas	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.7: Explain the process of merchandising logs	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.8: Demonstrate the use of forest harvesting tools and equipment	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	1.4: Use technological tools and other resources to locate, select and organize information

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
B.9: Describe procedures to use to protect and avoid mechanical damage to residual timber	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.1: Demonstrate chain saw maintenance	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
C.2: Demonstrate the safe use and operation of a chain saw	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
C.3: List chain saw safety procedures	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.1: Identify markets for forest products	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

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Competency Profile Date: 1993

Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards (mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.2: Identify special forest products	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.3: Demonstrate the ability to scale logs	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.4: List the defects important to log grading	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.5: List the steps to processing logs	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.6: List the factors affecting grading and scaling lumber	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.7: Demonstrate cutting and measuring firewood	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.8: Identify processing equipment and its use	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
D.9: List and distinguish between primary and secondary forest products	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.10: Identify and measure cordwood	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations MA.3: data analysis, probability and statistics	1.1: Develop questions and ideas to initiate and refine research 1.4: Use technological tools and other resources to locate, select and organize information 1.6: Discover and evaluate patterns and relationships in information, ideas and structures 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others

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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
		2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.6: Apply communication techniques to the job search and to the workplace 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 3.8: Assess costs, benefits and other consequences of proposed solutions 4.1: Explain reasoning and identify information used to support decisions
D.11: Identify 10 different woods by texture and grain	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.12: Identify and evaluate the methods of preserving wood	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
	SC.4: changes in ecosystems and interactions of organisms with their environments	2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions
D.13: List methods of storing and curing lumber	CA.3: reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals) CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes) CA.5: comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions) CA.6: participating in formal and informal presentations and discussions of issues and ideas SC.3: characteristics and interactions of living organisms SC.4: changes in ecosystems and interactions of organisms with their environments	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 1.10: Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers 2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.2: Review and revise communications to improve accuracy and clarity 2.3: Exchange information, questions and ideas while recognizing the perspectives of others 2.4: Present perceptions and ideas regarding works of the arts, humanities and sciences 2.5: Perform or produce works in the fine and practical arts 2.7: Use technological tools to exchange information and ideas 2.7: Use technological tools to exchange information and ideas 3.1: Identify problems and define their scope and elements 3.8: Assess costs, benefits and other consequences of proposed solutions

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Processing and Marketing Forest Products

Cross-Reference to Show-Me Standards
(mini report with words)

Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
E.1: Develop a resume and complete a job application (C001)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.2: Develop a plan for finding a job (C002)	CA.4: writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)	1.2: Conduct research to answer questions and evaluate information and ideas 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 4.8: Explore, prepare for and seek educational and job opportunities
E.3: Describe how to apply and interview for a job (C003)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	2.1: Plan and make written, oral and visual presentations for a variety of purposes and audiences 2.6: Apply communication techniques to the job search and to the workplace 4.8: Explore, prepare for and seek educational and job opportunities
E.4: Describe the characteristics needed to develop desirable personal and social skills (C004)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	4.3: Analyze the duties and responsibilities of individuals in societies
E.5: Describe the importance and process of developing better human relationships (C005)	CA.1: speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization) HP.2: principles and practices of physical and mental health (such as personal health habits, nutrition, stress management) SS.6: relationships of the individual and groups to institutions and cultural traditions	3.3: Develop and apply strategies based on one's own experience in preventing or solving problems 4.3: Analyze the duties and responsibilities of individuals in societies 4.4: Recognize and practice honesty and integrity in academic work and in the workplace
F.1: Describe the two types of accounting methods (D001)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.2: Complete the forms needed to open the Missouri Farm Business Record Book (D002)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

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Cross-Reference to Show-Me Standards
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Duty Band and Task Statement	Knowledge (Content)	Performance (Goals)
F.3: Develop a projected cash flow (D003)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.4: Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.5: Complete additional records in the Missouri Farm Business Record Book (D005)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.6: Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem
F.7: Analyze the farm business using the Missouri Farm Business Record Book (D007)	MA.1: addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	1.4: Use technological tools and other resources to locate, select and organize information 1.8: Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation 3.7: Evaluate the extent to which a strategy addresses the problem

KEY:
' = may use all "to do" statements
# = same Frameworks as previous competency
98 = same Frameworks as previous competency
99 = "to know" statements may not be applicable

Competency Profile Date: 1993